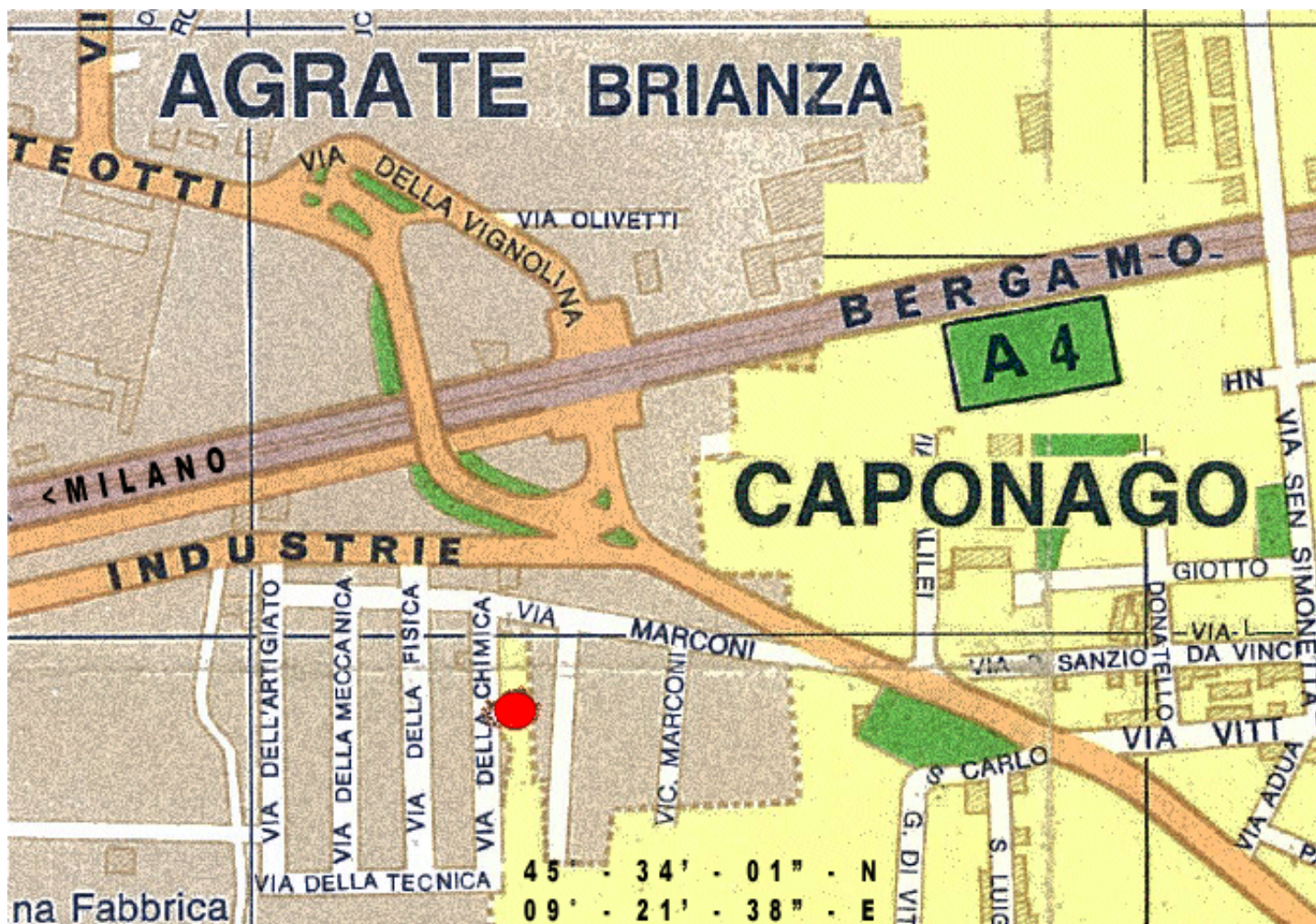






DOVE SIAMO



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COME RAGGIUNGERCI

AUTOSTRADA: A4 uscita CARUGATE

AEREOPORTI: ORIO AL SERIO e LINATE

TRENI: STAZIONI CENTRALI di MILANO e MONZA

FOAM DIELECTRIC CORRUGATED RFS CELLFLEX

Feature	LCF14-50J	LCF38-50J	LCF12-50J	LCF58-50J	LCF78-50JA	LCF78-50JL	LCFS114-50JA	LCFS114-50JL	LCF158-50JA	LCF158-50JL	LCF214-50JA
Size	1/4"	3/8"	1/2"	5/8"	7/8"		1-1/4"		1-5/8"		2-1/4"
Fire Performance	Halogene Free										
Return Loss (VSWR) Performance	Standard										
Jacket Option	Black										
Temperature & Power	Standard										
Inner Conductor Material	Copper-Clad Aluminum Wire			Copper Tube					Corrugated Copper Tube		
Diameter Inner Conductor, mm (in)	2.4 (0.09)	3.1 (0.12)	4.8 (0.19)	6.6 (0.26)	9.3 (0.37)		13.1 (0.52)		17.6 (0.69)		20.8 (0.82)
Diameter Dielectric, mm (in)	6.0 (0.24)	7.2 (0.28)	11.3 (0.44)	15.5 (0.61)	21.5 (0.85)		31.2 (1.23)		40.9 (1.61)		49.0 (1.93)
Outer Conductor Material	Corrugated Copper		Annularly Corrugated Copper	Corrugated Copper		Corrugated Aluminium	Corrugated Copper	Corrugated Aluminium	Corrugated Copper	Corrugated Aluminium	Corrugated Copper
Diameter Outer Conductor, mm (in)	7.5 (0.3)	9.5 (0.37)	13.8 (0.54)	18.5 (0.73)	25.2 (0.99)		36.0 (1.42)		46.5 (1.83)		56.1 (2.21)
Jacket Material	Polyethylene, PE										
Diameter over Jacket Nominal, mm (in)	10 (0.39)	11.2 (0.44)	15.8 (0.62)	21.4 (0.84)	27.8 (1.09)		39.0 (1.54)		50.3 (1.98)		59.9 (2.36)
Cable Weight, kg/m (lb/ft)	0.11 (0.074)	0.12 (0.08)	0.22 (0.15)	0.37 (0.25)	0.48 (0.32)	0.36 (0.24)	1.0 (0.67)	0.63 (0.42)	1.19 (0.80)	0.78 (0.52)	1.70 (1.14)
Minimum Bending Radius, Single Bend, mm (in)	40 (1.6)	50 (2)	70 (3)	90 (4)	120 (5)		200 (8)		200 (8)		280 (11)
Minimum Bending Radius, Repeated Bends, mm (in)	120 (5)	95 (4)	125 (5)	190 (7)	250 (10)		380 (15)		500 (20)		560 (22)
Bending Moment, Nm (lb-ft)	1.9 (1.4)	1.9 (1.4)	6.5 (4.79)	10.0 (7.4)	13.0 (9.6)		38 (28)		46.0 (34.0)		81.0 (60.0)
Tensile Strength, N (lb)	890 (200)	530 (119)	1100 (247)	1150 (259)	1440 (324)		2490 (560)	2000 (450)	2500 (562)	1800 (405)	2610 (587)
Recommended / Maximum Clamp Spacing, m (ft)	0.5 / 1.0 (1.75 / 3.25)		0.6 / 1.0 (2.0 / 3.25)	0.7 / 1.0 (2.25 / 3.25)	0.8 / 1.0 (2.75 / 3.25)		1.0 / 1.2 (3.25 / 4.0)		1.2 / 1.5 (4.0 / 5.0)		1.5 / 2.0 (5.0 / 6.6)
Impedance, Ohm	50 +/- 1.5		50 +/- 1	50 +/- 1							
Maximum Frequency, GHz	15.08	13.05	8.08	6.02	5		3.06		0.14		2.02
Velocity, percent	83	88			89	90	89		90		88
Capacitance, pF/m (pF/ft)	80 (24)	76.0 (23.2)	76.0 (23.2)		75.0 (22.9)				74.0 (22.5)		75.0 (22.9)
Inductance, µH/m (µH/ft)	0.205 (0.063)	0.190 (0.058)			0.188 (0.057)	0.1875 (0.057)	0.188 (0.057)		0.190 (0.058)	0.185 (0.056)	0.190 (0.058)
Peak Power Rating, kW	10.09	15.04	38	45	85		176		310		425
RF Peak Voltage, Volts	1050	1240	1950	2110	2910	2920	4200		5600		6520
Jacket Spark, Volt RMS	5000		8000	8000			10000				
Inner Conductor dc Resistance, ohm/1000 m (ohm/1000 ft)	6.1 (1.86)	3.8 (1.16)	1.57 (0.48)	1.32 (0.40)	1.54 (0.469)		0.83 (0.25)		1.26 (0.38)	1.30 (0.396)	0.92 (0.28)
Outer Conductor dc Resistance, ohm/1000 m (Ohm/1000 ft)	4.4 (1.34)	2.9 (0.88)	2.30 (0.70)	1.43 (0.44)	1.09 (0.33)	1.42 (0.43)	0.76 (0.23)	0.9 (0.27)	0.47 (0.14)	0.68 (0.205)	0.31 (0.09)
Maximum Return Loss, dB (VSWR)	Contact RFS for your VSWR performance specification for your required frequency band.					18 (1.288:1)	Contact RFS for your VSWR performance specification for your required frequency band.			18 (1.288:1)	Contact RFS for your VSWR performance specification for your required frequency band.
Installation Temperature, °C (°F)	-40 to +60 (-40 to +140)										
Storage Temperature, °C (°F)	-70 to +85 (-94 to +185)										
Operation Temperature, °C (°F)	-50 to +85 (-58 to +185)										
Phase Stabilized	Phase stabilized and phase matched cables and assemblies are available upon request.										

FOAM DIELECTRIC CORRUGATED RFS CELLFLEX FLAME RETARDANT

Feature	LCF14-50JFN	LCF38-50JFN	LCF12-50JFN	LCF58-50JFN	LCF78-50JFNA	LCF78-50JFNL	LCFS114-50JFNA	LCFS114-50JFNL	LCF158-50JFNA	LCF158-50JFNL	LCF214-50JFNA
Size	1/4"	3/8"	1/2"	5/8"	7/8"		1-1/4"		1-5/8"		2-1/4"
Fire Performance	Flame Retardant, LS0H										
Return Loss (VSWR) Performance	Standard										
Jacket Option	Black										
Temperature & Power	Standard										
Inner Conductor Material	Copper-Clad Aluminum Wire			Copper Tube				Corrugated Copper Tube			
Diameter Inner Conductor, mm (in)	2.4 (0.09)	3.1 (0.12)	4.8 (0.19)	6.6 (0.26)	17.6 (0.69)		13.1 (0.52)		17.6 (0.69)		20.8 (0.82)
Dielectric Material	Foam Polyethylene										
Diameter Dielectric, mm (in)	6.0 (0.24)	7.2 (0.28)	11.3 (0.44)	15.5 (0.61)	21.5 (0.85)		31.2 (1.23)		40.9 (1.61)		49.0 (1.93)
Outer Conductor Material	Corrugated Copper		Annularly Corrugated Copper	Corrugated Copper		Corrugated Aluminium	Corrugated Copper	Corrugated Aluminium	Corrugated Copper	Corrugated Aluminium	Corrugated Copper
Diameter Outer Conductor, mm (in)	7.5 (0.3)	9.5 (0.37)	13.8 (0.54)	18.5 (0.73)	25.2 (0.99)		36.0 (1.42)		46.5 (1.83)		56.1 (2.21)
Jacket Material	Polyethylene, PE, Metalhydroxite Filling										
Diameter over Jacket Nominal, mm (in)	10 (0.39)	11.2 (0.44)	15.8 (0.62)	21.4 (0.84)	27.8 (1.09)		39.0 (1.54)		50.3 (1.98)		59.9 (2.36)
Cable Weight, kg/m (lb/ft)	0.11 (0.074)	0.12 (0.08)	0.22 (0.15)	0.37 (0.25)	0.48 (0.32)	0.36 (0.24)	1.0 (0.67)	0.63 (0.42)	1.19 (0.80)	0.78 (0.52)	1.70 (1.14)
Minimum Bending Radius, Single Bend, mm (in)	40 (1.6)	50 (2)	70 (3)	90 (4)	120 (5)		200 (8)		200 (8)		280 (11)
Minimum Bending Radius, Repeated Bends, mm (in)	120 (5)	95 (4)	125 (5)	190 (7)	250 (10)		380 (15)		500 (20)		560 (22)
Bending Moment, Nm (lb-ft)	1.9 (1.4)	1.9 (1.4)	6.5 (4.79)	10.0 (7.4)	13.0 (9.6)		38 (28)		46.0 (34.0)		81.0 (60.0)
Tensile Strength, N (lb)	890 (200)	530 (119)	1100 (247)	1150 (259)	1440 (324)		2490 (560)	2000 (450)	2500 (562)	1800 (405)	2610 (587)
Recommended / Maximum Clamp Spacing, m (ft)	0.5 / 1.0 (1.75 / 3.25)	0.5 / 1.0 (1.75 / 3.25)	0.6 / 1.0 (2.0 / 3.25)	0.7 / 1.0 (2.25 / 3.25)	0.8 / 1.0 (2.75 / 3.25)		1.0 / 1.2 (3.25 / 4.0)		1.2 / 1.5 (4.0 / 5.0)		1.5 / 2.0 (5.0 / 6.6)
Impedance, Ohm	50 +/- 1.5	50 +/- 1.5	50 +/- 1	50 +/- 1				50 +/- 1			
Maximum Frequency, GHz	15.8	13.5	8.8	6.2	5		3.6		2.75		2.2
Velocity, percent	83	88	88	88	89	90	89		90		88
Capacitance, pF/m (pF/ft)	80 (24)	76.0 (23.2)	76.0 (23.2)	76.0 (23.2)	75.0 (22.9)				74.0 (22.5)		75.0 (22.9)
Inductance, µH/m (µH/ft)	0.205 (0.063)	0.190 (0.058)		0.188 (0.057)		0.1875 (0.057)	0.188 (0.057)		0.190 (0.058)	0.185 (0.056)	0.190 (0.058)
Peak Power Rating, kW	10.9	15.4	38	45	85		176		310		425
RF Peak Voltage, Volts	1050	1240	1950	5600	2910	2920	4200		5600		6520
Jacket Spark, Volt RMS	5000	5000	8000	8000			10000		10000		
Inner Conductor dc Resistance, ohm/1000 m (ohm/1000 ft)	6.1 (1.86)	3.8 (1.16)	1.57 (0.48)	1.32 (0.40)	1.54 (0.469)		0.83 (0.25)		1.26 (0.38)	1.30 (0.396)	0.92 (0.28)
Outer Conductor dc Resistance, ohm/1000 m (Ohm/1000 ft)	4.4 (1.34)	2.9 (0.88)	2.30 (0.70)	1.43 (0.44)	1.09 (0.33)	1.42 (0.43)	0.76 (0.23)	0.9 (0.27)	0.47 (0.14)	0.68 (0.205)	0.31 (0.09)
Maximum Return Loss, dB (VSWR)	Contact RFS for your VSWR performance specification for your required frequency band.					18 (1.288:1)	Contact RFS for your VSWR performance specification for your required frequency band.		Contact RFS for your VSWR performance specification for your required frequency band.	18 (1.288:1)	Contact RFS for your VSWR performance specification for your required frequency band.
Installation Temperature, °C (°F)	-25 to +60 (-13 to +140)							-40 to +60 (-40 to +140)		-25 to +60 (-13 to +140)	
Storage Temperature, °C (°F)	-70 to +85 (-94 to +185)										
Operation Temperature, °C (°F)	-50 to +85 (-58 to +185)										
Phase Stabilized	Phase stabilized and phase matched cables and assemblies are available upon request.										
Flame Retardant Jacket Specifications		Meets/Exceeds: IEC 60754-1, -2; IEC 60332-1, -3.C; UL 1581; UL 1666; NEC type CATVR							Meets/Exceeds: IEC 60754-1, -2; IEC 60332-1, -3.C; UL 1581; UL 1666; NEC type CATVR		
Applications	OEM jumpers, BTS inter-cabinet connections, GPS lines, Riser-rated In-Building, Microwave IF cabling		OEM jumpers, Main feed transitions to equipment, GPS lines, Riser-rated In-Building		Main feed line, Riser-rated In-Building			Main feed line	Main feed line, Riser-rated In-Building		

CONNETTORI COAX PER CAVI CELLFLEX



STNM-14

STNM-14

NM Amphenol per cellflex 1/4"



STNM90-14

STNM90-14

NM 90° Amphenol per cellflex 1/4"



NM12

NM12

NM per cavi Foam 1/2" LOW COST
conf. 10 pz.



ST4NM

ST4NM

NM per cavi Foam 1/2" F > 6 GHz
SITEL a saldare



ST716M-12

ST716M-12

7/16 M Amphenol per cellflex 1/2"



ST716F-12

ST716F-12

7/16 F Amphenol per cellflex 1/2"



ST4R

ST4R

7/8" EIA per cellflex 1/2" SITEL
completo di inner e viti



ST5R

ST5R

7/8" EIA per cellflex 7/8" SITEL
completo di inner e viti



ST47R

ST47R

1+5/8" EIA per cellflex 1+5/8" SITEL
completo di inner e viti

CONNETTORI RFS (SPINNER) PER CAVI CELLFLEX (FLEXWELL)

Cavi →	SCF14-50J	SCF38-50J	SCF12-50J	UCF78-50JA	UCF114-50JA	LCF14-50J	LCF38-50J	LCF12-50J	LCF78-50JA	LCFS114-50JA	LCF158-50JA	LCF214-50JA
Connettori ↓												
SMAm	SMAM-SCF14-002											
SMAf												
BNCm	BNCM-SCF14-040											
BNCf												
TNCm	TNCM-SCF14-001					TNCM-LCF14-070 TNCMR-LCF14-075						
TNCf	TNCf-SCF14-001											
4.1-9.5m												
4.1-9.5f												
UHFm	UHFM-SCF14-006		UHFM-SCF12-002					UHFM-LCF12-001				
UHFf	UHFF-SCF14-007		UHFF-SCF12-003					UHFF-LCF12-001				
Nm	NM-SCF14-003 NM-SCF14-001 NM-SCF14-035 NMR-SCF14-045	NM-SCF38-070 NMR-SCF38-071	NM-SCF12-070 NMR-SCF12-071	NM-LCF78-062 NM-LCF78-072	NM-LCF114-062 NM-LCF114-072	NM-LCF14-070 NMR-LCF14-075	NMR-LCF38-071 NM-LCF38-015 NM-LCF38-070	NM-LCF12-060 NM-LCF12-070	NM-LCF78-062 NM-LCF78-072	NM-LCF114-062 NM-LCF114-072	NM-LCF158-062 NM-LCF158-072	
Nf	NFB-SCF14-005 NF-SCF14-001 NF-SCF14-035		NF-SCF12-070	NF-LCF78-062 NF-LCF78-072	NF-LCF114-062 NF-LCF114-072	NF-LCF14-070 NFS-LCF14-071	NF-LCF38-070	NF-LCF12-060 NF-LCF12-070	NF-LCF78-062 NF-LCF78-072	NF-LCF114-062 NF-LCF114-072	NF-LCF158-062 NF-LCF158-072	
7-16m DIN	716M-SCF14-001	716MR-SCF38-071	716M-SCF12-070 716MR-SCF12-071	716M-LCF78-062 716M-LCF78-072	716M-LCF114-062 716M-LCF114-072	716M-LCF14-070	716M-LCF38-070	716M-LCF12-060 716MR-LCF12-061 716M-LCF12-070	716M-LCF78-062 716MR-LCF78-066 716M-LCF78-072	716M-LCF114-062 716M-LCF114-072	716M-LCF158-062 716M-LCF158-072	716M-LCF214-062 716M-LCF214-072
7-16f DIN	716F-SCF14-001		716F-SCF12-070	716F-LCF78-062 716F-LCF78-072	716F-LCF114-062 716F-LCF114-072		716F-LCF38-070	716F-LCF12-060 716F-LCF12-070	716F-LCF78-062 716F-LCF78-072	716F-LCF114-062 716F-LCF114-072	716F-LCF158-062 716F-LCF158-072	716F-LCF214-062 716F-LCF214-072
7/8" EIA			78EIA-SCF12-070	78EIA-LCF78-062	78EIA-LCF114-062			78EIA-LCF12-060 78EIA-LCF12-002	78EIA-LCF78-062	78EIA-LCF114-062	78EIA-LCF158-062	
1-5/8" EIA				158EIA-LCF78-062	158EIA-LCF114-062				158EIA-LCF78-062	158EIA-LCF114-062	158EIA-LCF158-062	

HIGH SPEED GROUNDING KIT RFS FOR COAXIAL CABLE

Feature	GKSPEED20-114P	GKSPEED20-12P	GKSPEED20-14P	GKSPEED20-158P	GKSPEED20-78P
Product Line	Coaxial Cable Accessories				
Product Type	Grounding Kit				
Type of Grounding Kit	High Speed				
Transmission Line Type	LCF114	LCF12	LCF14 RGC8	LCF158	LCF78
Coaxial Cable Type	Foam Dielectric		Foam Dielectric Braid/Foil Shield	Foam Dielectric	
Cable Size	1-1/4"	1/2"	1/4"	1-5/8"	7/8"
Recommended Tool	JSTRIP-114-2	JSTRIP-12-3		JSTRIP-158-2	JSTRIP-78-2
Lug Attachment Method	Factory Attached				
Lug Style Size	1-hole Ø 10.2mm (13/32") crimp-on, tin-plated				
Grounding Wire Length, m (in)	0.5 (20)				
Grounding Wire Size	16mm ² (7x7 strand)				
Grounding Wire Color	Black				
Grounding Body Color	Black				
Color	Black				
Material	Grounding Kit Body: Stainless steel, with vulcanised EPDM (Ethylene-Propylene-Caoutchouc) Screws: Stainless steel with safety washers Contact element: Tin-plated copper mesh 				
Sealing Class	IP68				
Operation Temperature, °C(°F)	-50 to +85 (-58 to +185)				
Storage Temperature, °C(°F)	-50 to +85 (-58 to +185)				
Package Quantity	1				
Weight per piece, kg (lb)	0.3 (0.66)				



FOAM DIELECTRIC RFS SUPERFLEX / ULTRAFLEX

Feature	SCF14-50J	SCF38-50J	SCF12-50J	UCF78-50JA	UCF78-50JL	UCF114-50JL	UCF114-50JA
Size	1/4"	3/8"	1/2"	7/8"	1-1/4"		
Fire Performance	Halogene Free						
Return Loss (VSWR) Performance	Standard						
Jacket Option	Black						
Temperature & Power	Standard						
Inner Conductor Material	Copper-Clad Aluminum Wire			Corrugated Copper Tube			
Diameter Inner Conductor, mm (in)	1.9 (0.075)	2.6 (0.1)	3.6 (0.14)	9.5 (0.374)	13.8 (0.55)	13.6 (0.54)	
Diameter Dielectric, mm (in)	4.3 (0.170)	6.3 (0.25)	8.3 (0.33)	21.3 (0.84)	31.0 (1.22)	31.2 (1.23)	
Outer Conductor Material	Corrugated Copper				Corrugated Aluminium		Corrugated Copper
Diameter Outer Conductor, mm (in)	6.5 (0.26)	9.1 (0.36)	12.3 (0.48)	25.2 (0.99)	36.0 (1.42)		
Jacket Material	Polyethylene, PE						
Diameter over Jacket Nominal, mm (in)	7.8 (0.31)	10.2 (0.4)	13.7 (0.54)	27.8 (1.09)	39.0 (1.54)		
Cable Weight, kg/m (lb/ft)	0.07 (0.05)	0.12 (0.08)	0.21 (0.14)	0.45 (0.302)	0.34 (0.229)	0.59 (0.40)	0.81 (0.55)
Minimum Bending Radius, Repeated Bends, mm (in)	25 (1.0)		32 (1.3)	90 (3.5)		150 (6.0)	
Minimum Bending Radius, Repeated Bends, mm (in)	0.7 (0.5)	1.4 (1.0)	1.8 (1.33)	125 (5)		250 (10)	
Bending Moment, Nm (lb-ft)	0.7 (0.5)	1.4 (1.0)	1.8 (1.33)	13.0 (9.6)		22.0 (16.2)	36.0 (25.6)
Tensile Strength, N (lb)	600 (135)		650 (146)	1440 (324)	1200 (270)	1850 (416)	2900 (650)
Recommended / Maximum Clamp Spacing, m (ft)	0.20 / 0.20 (0.67 / 0.67)	0.25 / 0.25 (0.80 / 0.80)	0.30 / 0.30 (1.00 / 1.00)	0.8 / 1.0 (2.75 / 3.25)		1.0 / 1.2 (3.25 / 4.0)	
Impedance, Ohm	50 +/- 1						
Maximum Frequency, GHz	20.4	13.4	11.7	4.9		3.6	
Velocity, percent	82			88		89	
Capacitance, pF/m (pF/ft)	82.0 (25.0)			76 (23.2)		75 (22.9)	
Inductance, µH/m (µH/ft)	0.207 (0.063)			0.190 (0.058)		0.184 (0.056)	
Peak Power Rating, kW	5.5	11.9	20.4	83		178	
RF Peak Voltage, Volts	740	1090	1430	2880		4200	
Jacket Spark, Volt RMS				5000		8000	
Inner Conductor dc Resistance, ohm/1000 m (ohm/1000 ft)	10.40 (3.17)	5.3 (1.62)	2.9 (0.88)	3.0 (0.914)		1.94 (0.59)	
Outer Conductor dc Resistance, ohm/1000 m (Ohm/1000 ft)	6.60 (2.01)	5.6 (1.71)	4.1 (1.25)	1.15 (0.35)	1.26 (0.384)	0.9 (0.27)	0.55 (0.17)
Installation Temperature, °C(°F)	-40 to +60 (-40 to +140)						
Storage Temperature, °C (°F)	-70 to +85 (-94 to +185)						
Operation Temperature, °C(°F)	-50 to +85 (-58 to +185)						
Phase Stabilized	Phase stabilized and phase matched cables and assemblies are available upon request.						
Applications	OEM jumpers, BTS inter-cabinet connections, GPS lines	OEM jumpers, Main feed transitions to equipment, GPS lines		Main feed line, Jumper for attenuation sensitive application		Main feed line	

FOAM DIELECTRIC SUPERFLEX / ULTRAFLEX FLAME RETARDANT

Feature	SCF14-50JFN	SCF38-50JFN	SCF12-50JFN	UCF78-50JFNA	UCF78-50JFNL	UCF114-50JFNA
Size	1/4"	3/8"	1/2"	7/8"		1-1/4"
Fire Performance	Flame Retardant, LSOH					
Return Loss (VSWR)	Standard					
Jacket Option	Black					
Temperature & Power	Standard					
Inner Conductor Material	Copper-Clad Aluminum Wire			Corrugated Copper	Corrugated Aluminium	Corrugated Copper Tube
Diameter Inner Conductor, mm (in)	1.9 (0.075)	2.6 (0.1)	3.6 (0.14)	9.5 (0.374)		13.6 (0.54)
Diameter Dielectric, mm (in)	4.3 (0.170)	6.3 (0.25)	8.3 (0.33)	21.3 (0.84)		31.2 (1.23)
Outer Conductor Material	Corrugated Copper					
Diameter Outer Conductor, mm (in)	6.5 (0.26)	9.1 (0.36)	12.3 (0.48)	25.2 (0.99)		36.0 (1.42)
Jacket Material	Polyethylene, PE, Metalhydroxite Filling					
Diameter over Jacket Nominal, mm (in)	7.8 (0.31)	10.2 (0.4)	13.7 (0.54)	27.8 (1.09)		39.0 (1.54)
Cable Weight, kg/m (lb/ft)	0.07 (0.05)	0.12 (0.08)	0.21 (0.14)	0.45 (0.302)	0.34 (0.229)	0.81 (0.55)
Minimum Bending Radius, Single Bend, mm (in)				90 (3.5)		
Minimum Bending Radius, Repeated Bends, mm (in)	25 (1.0)		32 (1.3)	125 (5)		250 (10)
Bending Moment, Nm (lb-ft)	0.7 (0.5)	1.4 (1.0)	1.8 (1.33)	13.0 (9.6)		36.0 (25.6)
Tensile Strength, N (lb)	600 (135)		650 (146)	1440 (324)	1200 (270)	2900 (650)
Recommended / Maximum Clamp Spacing, m (ft)	0.20 / 0.20 (0.67 / 0.67)	0.25 / 0.25 (0.80 / 0.80)	0.30 / 0.30 (1.00 / 1.00)	0.8 / 1.0 (2.75 / 3.25)		1.0 / 1.2 (3.25 / 4.0)
Impedance, Ohm	50 +/- 1					
Maximum Frequency, GHz	20,4	13,4	11,7	4,9		3,6
Velocity, percent	82			88		89
Capacitance, pF/m (pF/ft)	82.0 (25.0)			76 (23.2)		75 (22.9)
Inductance, µH/m (µH/ft)	0.207 (0.063)			0.190 (0.058)		0.184 (0.056)
Peak Power Rating, kW	05.05.00	11.09.00	20.04.00	83		178
RF Peak Voltage, Volts	740	1090	1430	2880		4200
Jacket Spark, Volt RMS	5000			8000		10000
Inner Conductor dc Resistance, ohm/1000 m (ohm/1000 ft)	10.40 (3.17)	5.3 (1.62)	2.9 (0.88)	3.0 (0.914)		1.94 (0.59)
Outer Conductor dc Resistance, ohm/1000 m (Ohm/1000 ft)	6.60 (2.01)	5.6 (1.71)	4.1 (1.25)	1.15 (0.35)	1.26 (0.384)	0.55 (0.17)
Installation Temperature, °C(°F)	-25 to +60 (-13 to +140)					
Storage Temperature, °C (°F)	-70 to +85 (-94 to +185)					
Operation Temperature, °C(°F)	-50 to +85 (-58 to +185)					
Flame Retardant Jacket Specif.	Meets/Exceeds: IEC 60754-1, -2; IEC 60332-1, -3.C; UL 1581; UL 1666; NEC type CATVR					

CONNETTORI RFS PER CAVI SUPERFLEX



NF-SCF12-070

NF-SCF12-070
Connector N female for
superflex SCF 1/2"



NM-SCF12-070

NM-SCF12-070
Connector N male for
superflex SCF 1/2"



NMR-SCF12-071

NMR-SCF12-071
Connector N male right
angle SCF 1/2"



716F-SCF12-070

716F-SCF12-070
Connector 7-16 female
superflex for SCF 1/2"



716M-SCF12-070

716M-SCF12-070
Connector 7-16 male
superflex for SCF 1/2"



716Mr-SCF12-071

716MR-SCF12-071
Connector 7-16 male
right angle for SCF 1/2"

COAXIAL CABLE GROUNDING KIT RFS FOR SCF PRE-FORMED COPPER STRAP

Feature	EAR-12-S	EAR-14-S	EAR-38-S
Product Line	Coaxial Cable Accessories		
Product Type	Grounding Kit		
Type of Grounding Kit	Pre-Formed Copper Strap		
Transmission Line Type	SCF12	SCF14	SCF38
Coaxial Cable Type	Superflexible Foam Dielectric Ultraflexible Foam Dielectric	Superflexible Foam Dielectric	Superflexible Foam Dielectric
Cable Size	1/2"	1/4"	3/8"
Grounding Body Color	Black		
Sealing Class	IP68		
Operation Temperature, °C(°F)	-50 to +85 (-58 to +185)		
Storage Temperature, °C(°F)	-50 to +85 (-58 to +185)		
Package Quantity	1		



AIR DIELECTRIC CORRUGATED RFS HELIFLEX

Feature	HCA38-50J	HCA58-50J	HCA78-50J	HCA118-50J	HCA158-50J	HCA214-50J	HCA295-50J	HCA300-50J	HCA400-50J	HCA495-50J	HCA550-50J	HCA618-50J	HCA800-50J
Size	3/8"	5/8"	7/8"	1-1/8"	1-5/8"	2-1/4"	3"		4"	5"	5-1/2"	6-1/8"	8"
Fire Performance	Halogene Free												
Return Loss (VSWR) Performance	Standard												
Jacket Option	Black												
Temperature & Power	Standard												
Inner Conductor Material	Copper Wire		Copper Tube		Corrugated Copper Tube								
Diameter Inner Conductor, mm (in)	3.9 (0.154)	6.3 (0.248)	9.0 (0.35)	12.0 (0.47)	18.6 (0.73)	22.7 (0.893)	27.1 (1.067)	29.3 (1.15)	34.8 (1.37)	45.0 (1.77)	58.0 (2.28)	67.0 (2.63)	88.5 (3.48)
Dielectric Material	Helical Polyethylene Spacer												
Diameter Dielectric, mm (in)	8.6 (0.34)	13.7 (0.54)	20.2 (0.79)	27.2 (1.069)	39.8 (1.56)	49.9 (1.964)	58.4 (2.30)	63.5 (2.5)	75.3 (2.96)	98.1 (3.86)	127.0 (5.0)	147.0 (5.78)	195.0 (7.67)
Outer Conductor Material	Corrugated Copper												
Diameter Outer Conductor, mm (in)	12.3 (0.484)	19.0 (0.75)	25.5 (1.00)	33.2 (1.30)	46.6 (1.83)	56.6 (2.23)	66.6 (2.622)	72.4 (2.85)	85.5 (3.36)	109.3 (4.30)	140.5 (5.53)	162.0 (6.37)	215.0 (8.46)
Jacket Material	Polyethylene, PE												
Diameter over Jacket Nominal, mm (in)	14.3 (0.563)	21.4 (0.84)	28.0 (1.103)	36.4 (1.43)	50.4 (1.984)	60.2 (2.37)	71.0 (2.795)	76.0 (2.992)	90.5 (3.56)	115.1 (4.53)	147.1 (5.79)	169.0 (6.65)	223.0 (8.78)
Cable Weight, kg/m (lb/ft)	0.30 (0.2)	0.65 (0.44)	0.68 (0.46)	1.10 (0.74)	1.30 (0.89)	1.7 (1.15)	2.6 (1.75)	2.6 (1.78)	3.1 (2.1)	4.5 (3.0)	7.5 (5.0)	10.0 (6.7)	18.6 (12.5)
Minimum Bending Radius, Single Bend, mm (in)	50 (2)	80 (3)	100 (4)	130 (5)	180 (7)	210 (8)	270 (11)		380 (15)	500 (20)	800 (31)	1000 (39)	1400 (55)
Minimum Bending Radius, Repeated Bends, mm (in)	150 (6)	250 (10)		400 (16)	550 (22)		800 (31)	760 (30)	500 (20)	500 (20)	800 (31)	1500 (39)	1700 (67)
Bending Moment, Nm (lb-ft)	7.0 (5.2)	13.0 (9.6)	27.0 (20.0)	42.0 (31.0)		145 (107)		215 (159)	335 (247)	580 (428)	1000 (738)		
Tensile Strength, N (lb)	1000 (225)	2400 (540)	1600 (360)	2200 (495)	1500 (337)	1900 (427)	1800 (405)			3000 (674)	4000 (900)	6000 (1349)	8000 (1798)
Recommended / Maximum Clamp Spacing, m (ft)	0.5 / 0.5 (1.8 / 1.8)	0.5 / 0.9 (1.8 / 3.0)			0.8 / 1.2 (2.75 / 4.0)	0.8 / 1.0 (2.75 / 3.25)	0.8 / 1.2 (2.75 / 4.0)			1.0 / 2.0 (3.3 / 6.6)	1.0 / 1.75 (3.25 / 5.7)	1.0 / 2.0 (3.3 / 6.6)	
Impedance, Ohm	50 +/- 1	50 +/- 0.5											
Maximum Frequency, GHz	3				2,3		1,5	1,63	1,66	1	0,86		0,65
Velocity, percent	89	92	93	92	95		96		97		96	97	
Capacitance, pF/m (pF/ft)	74.0 (22.6)	72.0 (21.9)	71.0 (21.6)	73.0 (22.3)	70.0 (21.3)	66.6 (20.3)	70.0 (21.3)	66.6 (20.3)	70.0 (21.3)	68.0 (20.7)	70.0 (21.3)	69.0 (21.0)	
Inductance, µH/m (µH/ft)	0.185 (0.056)	0.180 (0.055)	0.178 (0.054)	0.183 (0.056)	0.175 (0.053)	0.167 (0.051)	0.175 (0.053)	0.167 (0.051)	0.175 (0.053)	0.170 (0.052)	0.175 (0.053)		
Peak Power Rating, kW	16.9	32	73	137	270	425	580	640	940	1560	2250	2890	4000
RF Peak Voltage, Volts	1300	1800	2700	3700	5200	6500	7600	8000	9700	12500	15000	17000	20000
Jacket Spark, Volt RMS	8000												
Inner Conductor dc Resistance, ohm/1000 m (ohm/1000 ft)	1.44 (0.44)	0.58 (0.177)	1.1 (0.34)	0.64 (0.195)	1.06 (0.33)	0.32 (0.16)	0.51 (0.16)	0.39 (0.12)	0.43 (0.13)	0.31 (0.095)	0.2 (0.06)	0.17 (0.052)	0.13 (0.04)
Outer Conductor dc Resistance, ohm/1000 m (Ohm/1000 ft)	1.63 (0.50)	0.93 (0.284)	0.88 (0.27)	0.50 (0.152)	0.34 (0.11)	0.23 (0.07)	0.18 (0.06)	0.16 (0.05)	0.13 (0.04)	0.094 (0.029)	0.057 (0.017)	0.044 (0.013)	0.027 (0.008)
Maximum Return Loss, dB (VSWR)	Typical 20.8dB (1.2:1 VSWR) or better within the operation bands of most global frequency ranges. Premium also available. Contact factory for options in your specific frequency band.												
Installation Temperature, °C(°F)	-40 to +60 (-40 to +140)												
Storage Temperature, °C (°F)	-70 to +85 (-94 to +185)												
Operation Temperature, °C(°F)	-50 to +85 (-58 to +185)												
Phase Stabilized	Phase stabilized and phase matched cables and assemblies are available upon request.												
Flame Retardant Jacket Specifications	Meets the requirements according to: IEC60754-1, IEC60754-2												
Applications	VHF, UHF			VHF, UHF, Broadcast	TV, Broadcast				VHF, UHF, Broadcast			TV, Broadcast	

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Feature	HCA12-50JPL	HCA38-50JB	HCA58-50JB	HCA78-50JP	HCA118-50JB	HCA158-50JPL	HCA214-50JFN	HCA295-50JFN	HCA300-50JFN	HCA400-50JFN	HCA495-50JFN	HCA550-50JFN	HCA618-50JFN	HCA800-50JB
Size	1/2"	3/8"	5/8"	7/8"	1-1/8"	1-5/8"	1-2/4"	3"	4"	5"	5-1/2"	6-1/8"	8"	
Fire Performance	Flame Retardant, Plenum Rated	Halogene Free		Flame Retardant, Plenum Rated	Halogene Free	Flame Retardant, Plenum Rated	Flame Retardant, LSOH			Flame Retardant, LSOH			Flame Retardant, LSOH	Halogene Free
Return Loss (VSWR) Performance	Standard													
Jacket Option	Blue	Black Self healing		Blue	Black Self healing	Blue	Black							Black Self healing
Temperature & Power	Standard													
Inner Conductor Material	Copper-Clad Aluminum Wire	Copper Wire		Copper Tube		Corrugated Copper Tube								
Diameter Inner Conductor, mm (in)	4.8 (0.19)	3.9 (0.154)	6.3 (0.248)	9.0 (0.35)	12.0 (0.47)	18.6 (0.73)	22.7 (0.893)	27.1 (1.067)	29.3 (1.15)	34.8 (1.37)	45.0 (1.77)	58.0 (2.28)	67.0 (2.63)	88.5 (3.48)
Dielectric Material	Helical Fluoropolymer Spacer	Helical Polyethylene Spacer												
Diameter Dielectric, mm (in)	3.9 (0.153)	8.6 (0.34)	13.7 (0.54)	20.2 (0.79)	27.2 (1.069)	39.8 (1.56)	49.9 (1.964)	58.4 (2.30)	63.5 (2.5)	75.3 (2.96)	98.1 (3.86)	127.0 (5.0)	147.0 (5.78)	195.0 (7.67)
Outer Conductor Material	Corrugated Copper													
Diameter Outer Conductor, mm (in)	13.9 (0.547)	12.3 (0.484)	19.0 (0.75)	25.5 (1.00)	33.2 (1.30)	46.6 (1.83)	56.6 (2.23)	66.6 (2.622)	72.4 (2.85)	85.5 (3.36)	109.3 (4.30)	140.5 (5.53)	162.0 (6.37)	215.0 (8.46)
Jacket Material	Polyvinylidene Fluoride, PVDF	Polyethylene, PE, Bitumen Filling		Polyvinylidene Fluoride, PVDF	Polyethylene, PE, Bitumen Filling	Polyvinylidene Fluoride, PVDF	Polyethylene, PE, Metalhydroxite Filling			Polyethylene, PE, Metalhydroxite Filling				Polyethylene, PE, Bitumen Filling
Diameter over Jacket Nominal, mm (in)	15.9 (0.62)	14.3 (0.563)	21.4 (0.84)	28.0 (1.103)	36.4 (1.43)	48.9 (1.925)	60.2 (2.37)	71.0 (2.795)	76.0 (2.992)	90.5 (3.56)	115.1 (4.53)	147.1 (5.79)	169.0 (6.65)	223.0 (8.78)
Cable Weight, kg/m (lb/ft)	0.40 (0.27)	0.30 (0.2)	0.65 (0.44)	0.68 (0.46)	1.10 (0.74)	1.30 (0.89)	1.7 (1.15)	2.6 (1.75)	2.6 (1.78)	3.1 (2.1)	4.5 (3.0)	7.5 (5.0)	10.0 (6.7)	18.6 (12.5)
Minimum Bending Radius, Single Bend, mm (in)	125 (5)	50 (2)	80 (3)	100 (4)	130 (5)	180 (7)	210 (8)	270 (11)		380 (15)	500 (20)	800 (31)	1000 (39)	1400 (55)
Minimum Bending Radius, Repeated Bends, mm (in)	381 (15)	150 (6)	250 (10)	250 (10)	400 (16)	550 (22)	560 (22)	800 (31)	760 (30)	1100 (43)	1200 (47)	1500 (59)	1500 (59)	1700 (67)
Bending Moment, Nm (lb-ft)		7.0 (5.2)	13.0 (9.6)	27.0 (20.0)	42.0 (31.0)	42.0 (31.0)	145 (107)			215 (159)	335 (247)	580 (428)	1000 (738)	
Tensile Strength, N (lb)	1112 (250)	1000 (225)	2400 (540)	1600 (360)	2200 (495)	1500 (337)	1900 (427)	1800 (405)		1800 (405)	3000 (674)	4000 (900)	6000 (1349)	8000 (1798)
Recommended / Maximum Clamp Spacing, m (ft)	0.5 / 0.9 (1.8 / 3.0)	0.5 / 0.5 (1.8 / 1.8)	0.5 / 0.9 (1.8 / 3.0)	0.5 / 0.9 (1.8 / 3.0)	0.5 / 0.9 (1.8 / 3.0)	0.8 / 1.2 (2.75 / 4.0)	0.8 / 1.0 (2.75 / 3.25)	0.8 / 1.2 (2.75 / 4.0)		0.8 / 1.2 (2.75 / 4.0)	1.0 / 2.0 (3.3 / 6.6)	1.0 / 1.75 (3.25 / 5.7)	1.0 / 2.0 (3.3 / 6.6)	1.0 / 2.0 (3.3 / 6.6)
Impedance, Ohm	50 +/- 1		50 +/- 0.5											
Maximum Frequency, GHz	4	3		2.3			1.5	1.63	1.66	1		0.86	0.65	
Velocity, percent	91	89	92	93	92	95	96		96	97	96	97		
Capacitance, pF/m (pF/ft)	66.8 (20.4)	74.0 (22.6)	72.0 (21.9)	0.178 (0.054)	73.0 (22.3)	70.0 (21.3)	66.6 (20.3)	70.0 (21.3)	66.6 (20.3)	70.0 (21.3)	68.0 (20.7)	70.0 (21.3)	0.173 (0.053)	0.178 (0.054)
Inductance, µH/m (µH/ft)	0.191 (0.058)	0.185 (0.056)	0.180 (0.055)	0.178 (0.054)	0.183 (0.056)	0.175 (0.053)	0.167 (0.051)	0.175 (0.053)	0.167 (0.051)	0.175 (0.053)	0.170 (0.052)	0.175 (0.053)	0.173 (0.053)	0.178 (0.054)
Peak Power Rating, kW	21.4	16.9	32	73	137	270	425	580	640	940	1560	2250	2890	4000
RF Peak Voltage, Volts	1500	1300	1800	2700	3700	5200	6500	7600	8000	9700	12500	15000	17000	20000
Jacket Spark, Volt RMS	8000													
Inner Conductor dc Resistance, ohm/1000 m (ohm/1000 ft)	1.48 (0.45)	1.44 (0.44)	0.58 (0.177)	1.1 (0.34)	0.64 (0.195)	1.06 (0.33)	0.32 (0.16)	0.51 (0.16)	0.39 (0.12)	0.43 (0.13)	0.31 (0.095			

CONNETTORI RFS (SPINNER) PER CAVI HELIFLEX (FLEXWELL)

Cavi →	HCA38-50J	HCA12-50JPL ICA12-50JPL	HCA58-50J	HCA78-50J	HCA118-50J	HCA158-50J	HCA214-50J	HCA300-50J	HCA318-50J	HCA418-50J	HCA500-50J	HCA618-50J
Connettori ↓												
Nm	NM-HCA38-020	NM-LCF12-060 NMR-LCF12-061 NM-LCF12-070 NMR-LCF12-071	NM-HCA58-020	NM-HCA78-020 NM-HCA78-001 NM-HCA78-002 NMT-HCA78-002		NM-HCA158-002						
Nf	NF-HCA38-020	NF-LCF12-060 NF-LCF12-070 NFS-LCF12-011	NF-HCA58-020	NF-HCA78-020 NF-HCA78-001 NFT-HCA78-002		NF-HCA158-001 NF-HCA158-002	NF-HCA214-001					
716mDIN	716M-HCA38-020	716M-LCF12-060 716MR-LCF12-061 716M-LCF12-070 716MR-LCF12-071	716M-HCA58-020	716M-HCA78-020		716M-HCA158-001						
716fDIN	716F-HCA38-020	716F-LCF12-060 716F-LCF12-070 716FB-LCF12-072		716F-HCA78-020		716F-HCA158-001						
7/8" EIA	78EIA-HCA38-020	78EIA-LCF12-002 78EIA-LCF12-060	78EIA-HCA58-020	78EIA-HCA78-020 78EIA-HCA78-001 78EIA-HCA78-002		78EIA-HCA158-001 78EIA-HCA158-002	78EIA-HCA214-001 78EIA-HCA214-002					
1-5/8" EIA					158EIA-HCA118-001	158EIA-HCA158-001 158EIA-HCA158-002 158EIA-HCA158-003	158EIA-HCA214-001 158EIA-HCA214-002					
3 1/8" EIA							318EIA-HCA214-001 318EIA-HCA214-002	318EIA-HCA300-005 318EIA-HCA300-001	318EIA-HCA318-001 318EIA-HCA318-002 318EIA-HCA318-003			
4 1/2" EIA										412EIA-HCA418-001	412EIA-HCA500-001	
6 1/8" EIA										618EIA-HCA418-002 618EIA-HCA418-001	618EIA-HCA500-002	618EIA-HCA618-002

COAXIAL CABLE GROUNDING KIT RFS FOR HCA PRE-FORMED COPPER STRAP

Feature	EAR-12	EAR-38	EAR-58	EAR-78	EAR-118	EAR-158	EAR-295	EAR-400	EAR-495	EAR-550	EAR-618	EAR-800
Product Line	Coaxial Cable Accessories											
Product Type	Grounding Kit											
Type of Grounding Kit	Pre-Formed Copper Strap											
Transmission Line Type	HCA12	HCA38	HCA58	HCA78	HCA118	HCA158	HCA295	HCA400	HCA495	HCA550	HCA618	HCA800
Coaxial Cable Type	Air Dielectric Foam Dielectric	Air Dielectric	Air Dielectric Foam Dielectric				Air Dielectric					
Cable Size	1/2"	3/8"	5/8"	7/8"	1-1/8"	1-5/8"	3"	4"	5"	5-1/2"	6-1/8"	8"
Grounding Body Color	Black											
Sealing Class	IP68											
Operation Temperature, °C(°F)	-50 to +85 (-58 to +185)											
Storage Temperature, °C(°F)	-50 to +85 (-58 to +185)											
Package Quantity	1											



CAVI COASSIALI CEAM A MORME MIL

Modello	RG58	RG223	RG59	RG6	RG11	RG213	RG214	RG216
Materiale conduttore	Rame stagnato	Rame argentato	Acciaio ramato		Rame stagnato	Rame rosso	Rame argentato	Rame stagnato
Dimensione conduttore [mm]	19x0.18	1x0.9	1x0.58	1x0.72	7x0.4	7x0.75	7x0.75	7x0.4
Tipo conduttore	Flessibile	Solido			Flessibile			
Tipo di isolamento	Polietilene							
Diametro isolamento [mm]	2.95	3	3.7	4.7	7.25	7.25	7.25	7.25
Schermatura I°	Treccia in rame stagnato	Treccia in rame argentato	Treccia in rame rosso	Treccia in rame stagnato	Treccia in rame rosso		Treccia in rame argentato	Treccia in rame rosso
Copertura dello schermo I°	>95				>96	>95	>96	
Schermatura II°	//	Treccia in rame argentato	//	Treccia in rame rosso	//	//	Treccia in rame argentato	Treccia in rame rosso
Copertura dello schermo II°	//	>95	//	>95	//	//	>98	>94
Materiale di guaina	F.R. PVC							
Colore di guaina	Nero							
Dimensione esterna [mm]	4.95 +/- 0.10	5.40 +/- 0.10	6.15 +/- 0.10	8.4 +/- 0.10	10.3 +/- 0.20	10.3 +/- 0.2	10.8 +/- 0.20	10.8 +/- 0.20
Peso [kg/km]	38	55	54	120	140	158	202	183
Raggio min. di curvatura [mm]	50	60	65	85	105	105	110	110
Temperatura di esercizio [°C]	-10 / +80							
Resistenza conduttore interno [Ohm/km]	37.3	27.6	151	99.1	21	5.7	5.8	21
Resistenza della schermatura [Ohm/km]	14	6.6	7.8	2.7	4.4	4.2	4.8	2.7
Capacità nominale [pF/m]	100	100	67	67	67	100	100	67
Impedenza caratteristica [Ohm]	50 +/- 2		75 +/- 3			50 +/- 2		75 +/- 3
Velocità di propagazione nominale	66							
Applicazioni	Radiofrequenza, trasmissione dati	Radiofrequenza	Radiofrequenza; trasmissione dati; video			Radiofrequenza		Radiofrequenza, trasmissione dati, video
Attenuazione a 50 Mhz [dB/100m]	10.4	8.9	7.7	6.3	4.4	4.2	4.8	4.4
Attenuazione a 100 Mhz [dB/100m]	15	12.7	11	9.1	6.4	6.2	7	6.3
Attenuazione a 200 Mhz [dB/100m]	21.9	18.3	15.9	13.3	9.4	9.1	10.3	9.2
Attenuazione a 400 Mhz [dB/100m]	32.2	26.7	23.1	20.1	14.1	13.4	15.4	13.8
Attenuazione a 800 Mhz [dB/100m]	48.1	38.8	34.2	29.7	21.9	20.2	23.3	21.7
Attenuazione a 1000 Mhz [dB/100m]	54.8	43.9	38.9	33.6	25.5	23.3	26.6	25.7
Attenuazione a 3000 Mhz [dB/100m]	//			66.2	//			58.2

CONNETTORI PER CAVI RG



BN 95 18 20

716M per cavo RG 214
Spinner



BN 95 19 20

716F per cavo RG 214 Spinner



716F-RG214

716F per cavo RG 214
Genex



BNCM-RG59 90C

BNC M 90° a crimpare
per cavo RG 59



BNCM-RG223 90

BNC M 90° per cavo RG 59



31212

BNC M a saldare
Amphenol RG 59



31321

BNC M a crimpare
per cavo RG 59
Amphenol



31326

BNC M a crimpare
per cavo RG 58-223
Amphenol



31327

BNC F a crimpare per
cavo RG 58 Amphenol



825370

NM a crimpare per
cavo RG 58-RG 223
Amphenol



34525

NM a saldare per cavo
RG 59-RG Amphenol



82202

NM Amphenol per
RG 213-RG 214



BN 29 66 50

NM per cavo
RG 58-223 Spinner



BN 92 24 50

NM per cavo
RG 213-RG 214 Spinner



MW7303

NM 90° crimpare per
RG 213-RG 214



BN 72 12 82

NM 90° per RG 213 Spinner



R161183120

NM 90° per RG 223 a
crimpare radiali



825371

NF a crimpare per
RG 58-RG 223
Amphenol



8263

NF Amphenol per
RG 213-RG 214



BN 92 25 50

NF per RG 213-RG 214
Spinner



SMA90-RG223

SMA 90° per RG 223 a
crimpare



SMA90-RG58

SMA 90° per RG 58 a
crimpare tg



SMARG223C

SMA M a crimpare per
RG 223 Amphenol



R143182000W

TNC M 90° crimpare per
RG 223 radiali



R1403073000

TNC M crimpare per
RG 223 radiali

MESSE A TERRA KMT..P USCITA PARALLELA

Code	Article	For coaxial cables
61 1540 9009	KMT 9-P	1/4" (Ø 8-9)
61 1540 9014	KMT 11-P	RG 213/214-1/4"-3/8" superflex (Ø 10-11)
61 1540 0012	KMT 1/2"-P	1/2" (Ø 16-17)
61 1540 0078	KMT 7/8"-P	7/8" + 7/8" superflex (Ø 26-28)
61 1540 0158	KMT 1.5/8"-P	1.5/8" (Ø 50-52)

CARATTERISTICHE:

Struttura compatta

Installazione veloce

Senza parti sciolte

Testato alle scariche atmosferiche (CESI)

Bassa resistenza di contatto < 1 mOhm

Stagno all'acqua IP 67 (CESI)

Resistente alla corrosioni

Resistenza agli agenti ambientali (ICE 68-2-14)

Nastratura supplementare non necessaria



GUIDE D'ONDA RFS FLEXWELL

Features	E38	E46	E60	E65	EP70	E78	E105	E130	E150	E185	E220	E250	E380
Frequency Range, GHz	3.00 - 4.20	3.65 - 5.00	4.50 - 6.425	5.00 - 7.125	5.40 - 7.75	5.90 - 8.50	8.10 - 11.70	9.30 - 13.25	10.80 - 15.35	13.70 - 19.70	16.70 - 23.60	19.00 - 26.50	29.00 - 39.50
Dimension over Jacket, mm (in)	84 x 48 (3.3 x 1.9)	71 x 42 (2.8 x 1.7)	56 x 33 (2.2 x 1.3)	51 x 30 (2.0 x 1.2)	48 x 28 (1.9 x 1.1)	44 x 26 (1.7 x 1.0)	33 x 20 (1.3 x 0.8)	29 x 18 (1.1 x 0.7)	26 x 16 (1.0 x 0.6)	21 x 13 (0.8 x 0.5)	18 x 12 (0.7 x 0.5)	16 x 11 (0.6 x 0.4)	12 x 9 (0.5 x 0.3)
Weight, kg/m (lb/ft)	2.1 (1.4)	1.5 (1.0)	1.1 (0.73)	1.0 (0.67)	0.9 (0.60)	0.7 (0.47)	0.6 (0.40)	0.4 (0.27)	0.4 (0.27)	0.3 (0.20)	0.3 (0.20)	0.2 (0.13)	0.1 (0.07)
Minimum Bending Radius E Plane, without rebending, mm (in)	300 (11.9)	280 (11.1)	200 (7.9)	200 (7.9)	200 (7.9)	200 (7.9)	130 (5.1)	130 (5.1)	130 (5.1)	130 (5.1)	110 (4.3)	90 (3.6)	80 (3.1)
Minimum Bending Radius H Plane, without rebending, mm (in)	800 (31.6)	700 (27.6)	550 (21.8)	500 (19.8)	500 (19.8)	500 (19.8)	280 (11.0)	280 (11.0)	280 (11.0)	280 (11.0)	230 (9.1)	150 (5.9)	140 (5.5)
Minimum Bending Radius E Plane, with rebending, mm (in)	400 (15.8)	380 (15)	300 (11.9)	300 (11.9)	300 (11.9)	250 (9.9)	150 (5.9)	150 (5.9)	150 (5.9)	130 (5.1)	130 (5.1)	100 (3.9)	90 (3.6)
Minimum Bending Radius H Plane, with rebending, mm (in)	1000 (39.5)	850 (33.6)	800 (31.6)	600 (23.7)	600 (23.7)	600 (23.7)	300 (11.9)	300 (11.9)	300 (11.9)	300 (11.9)	250 (9.9)	180 (7.1)	150 (5.9)
Maximum Twist, degree/m (degree/ft)	1.5 (0.46)	2 (0.6)	4 (1.2)	5 (1.5)	5 (1.5)	5 (1.5)	6 (1.8)	6 (1.8)	7 (2.1)	8 (2.4)	8 (2.4)	8 (2.4)	8 (2.4)
Max. Pulling Length per Hoisting Grip, m (ft)	100 (305)	100 (305)	100 (305)	100 (305)	100 (305)	100 (305)	100 (305)	100 (305)	100 (305)	100 (305)	100 (305)	50 (164)	50 (164)
Standard Hanger Spacing, m (ft)	1.2 (4)	1.2 (4)	0.9 (3)	0.9 (3)	0.9 (3)	0.9 (3)	0.6 (2)	0.6 (2)	0.6 (2)	0.6 (2)	0.6 (2)	0.5 (1.6)	0.3 (1.0)
Recommended Installation Temperature Range, °C (°F)	-40 to + 60 (-40 to +140)	-40 to + 60 (-40 to +140)	-40 to +60 (-40 to +140)	-40 to +60 (-40 to +140)	-40 to +60 (-40 to +140)	-40 to +60 (-40 to +140)	-40 to +60 (-40 to +140)	-40 to +60 (-40 to +140)	-40 to +60 (-40 to +140)	-40 to +60 (-40 to +140)	-40 to +60 (-40 to +140)	-40 to +60 (-40 to +140)	-40 to +60 (-40 to +140)
Max. VSWR / Return Loss, dB	1.15 / 23.1	1.15 / 23.1	1.15 / 23.1	1.15 / 23.1	1.062 / 30.5	1.15 / 23.1	1.15 / 23.1	1.15 / 23.1	1.15 / 23.1	1.15 / 23.1	1.105 / 26.0	1.15 / 23.1	1.15 / 23.1
Cut-off Frequency, GHz	2.4	2.88	3.65	4.01	4.34	4.72	6.49	7.43	8.64	11.06	13.36	15.06	23.45
Max. Operating Pressure, bar (psi)	0.5 (7.1)												

FLEXWELL Elliptical Waveguide Connectors

Waveguide Type	Frequenzy della Giuda, Ghz	Flange lec-Type
E60	5.6 - 6.425 Ghz	PDR 70
E65	5.9 - 7.125 Ghz	PDR 70
EP70	6.4 - 7.75 Ghz	PDR 70
E78	7.1 - 8.5 Ghz	PDR 70 PDR 84 PBR 84
E105	10.0 - 11.7 Ghz	PDR 100 PBR 100
E130	10.7 - 13.25 Ghz	PDR 120 PBR 120
E150	13.4 - 15.35 Ghz	PDR 120 PBR 120 PDR 140 PBR 140
E185	17.3 - 19.7 Ghz	PDR 180 PDR 220 PBR 220
E220	21.2 - 23.6 Ghz	PBR 220
E250	24.25 - 26.5 Ghz	PBR 220 PBR 260
E300	27.5 - 33.4 Ghz	PBR 260 PBR 320
E380	37.0 - 39.5 Ghz	PBR 320

CONNETTORE PER GIUDA SITEL



PBR100-E105 ST

PBR100-E105 ST
Termination per E105



PBR120-E130 ST

PBR120-E130 ST
Termination per E130



PBR140-E150 ST

PBR140-E150 ST
Termination per E150



PBR220-E220 ST

PBR220-E220 ST
Termination per E220



PBR220-E185 ST

PBR220-E185 ST
Termination per E185

GROUNDING KIT PRE-FORMED COPPER STRAP RFS FOR ELLIPTICAL WAVEGUIDE

Feature	GKIT-ST-070	GKIT-ST-105	GKIT-ST-130	GKIT-ST-150	GKIT-ST-185	GKIT-ST-220	GKIT-ST-380
Product Line	Elliptical Waveguide Accessories						
Product Type	Grounding Kit						
Type of Grounding Kit	Pre-Formed Copper Strap						
Transmission Line Type	E70 EP70	E105 EP105	E130 EP130	E150 EP150	E185 EP185	E220	E380
Grounding Wire Length, m (in)	0.25 (10)						0.10 (4)
Grounding Body Color	Black						
Sealing Class	IP68						
Package Quantity	1						



SPELLACAVI

Feature	TRIM-12-L	TRIM-12-S-06	TRIM-14-C	TRIM-14-S	TRIM-78-L	TRIM-78-L1	TRIM-78-LF	TRIM-B09
Product Line	Coaxial Cable Accessori/ Radiating Cable Accessories		Coaxial Cable Accessories		Coaxial Cable Accessories Radiating Cable Accessories	Coaxial Cable Accessories		Coaxial Cable Accessories Radiating Cable Accessories
Product Type	Tool							
Transmission Line Type	RCF12 HCA12-50 RHCA12-50 LCF12	RSF12 SCF12	LCF14	SCF14	LCF78 UCF78 RCF78	LCF78		LCF14 LCF38 LCF12 LCF58 LCF78 UCF78 RCF38 RCF12 HCA12-50 RHCA12-50 RCF78 SCF14 SCF38 SCF12 RSF12
Coaxial Cable Type	Foam Dielectric Radiating Cable	Superflexible Foam Dielectric Ultraflexible Foam Dielectric Radiating Cable	Foam Dielectric	Superflexible Foam Dielectric	Foam Dielectric Ultraflexible Foam Dielectric Radiating Cable	Foam Dielectric	Foam Dielectric Ultraflexible Foam Dielectric	Foam Dielectric Radiating Cable
Cable Size	1/2"		1/4"		7/8"			1/4" 3/8" 1/2" 5/8" 7/8"
Type of Tool	Combination Cable Preparation Tool							Spare Blades for Cable Trimming Tool
Configuration	Trim Series A					Trim Series 1	Trim Series F	
Spare Part / Useful Accessories	Spare blades, TRIM-B09							
Color	Red					Grey / Red	Red	
Material	Fiberglass reinforced Polycarbonate							
Package Quantity	1							20 main / 10 jacket blades



ADATTATORI COAX



STR2
ADATTATORE SITEL 1+5/8" - 1+7/8" STR2



ST-158F-318M
ADATTATORE SITEL 1+5/8" - 3+1/8"

ALTRI ESEMPI DI ADATTATORI COAX SITEL

ANGOLO 90° 7/8" M-F ANGOLO 90° 3+1/8" M-F ADATTATORE 1+5/8" - NF
ANGOLO 90° 1+5/8" M-F ADATTATORE 1+5/8" - 7/8" ADATTATORE 3+1/8" - 4+1/2"

ADATTATORI SPINNER



BN 19 44 00

7/16 M-NF



BN 29 38 00

7/16 M-NM



BN 29 39 00

7/16 F-NM



BN 29 40 00

7/16 F-NF



BN 39 33 50

7/16 M - 7/16 M



BN 29 37 50

NF-NF standard



BN 94 49 50

NF-NF da pannello



BN 99 90 10

NM-NM short/open



BN 29 36 50

NM-NM



BN 80 56 00

7/8" - 7/16 F



BN 29 64 00

7/16 M - 7/16" F 90°



BN 94 47 02

7/16 M - 7/16 M 90°

ADATTATORI GIUDA CAVO (alcuni esempi)



ST-PDR140-SMA

PDR140 SMA F



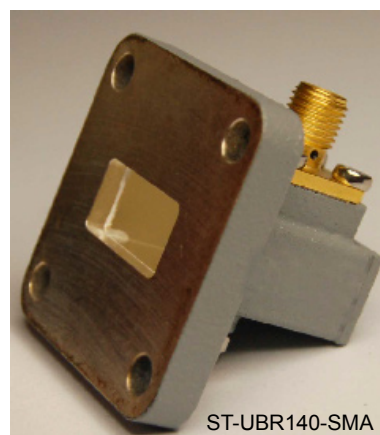
ST-PDR48-NF

PDR48 NF



ST-UBR180-SMA

UBR180 SMA F



ST-UBR140-SMA

UBR140 SMA F



ST-UDR70-NF

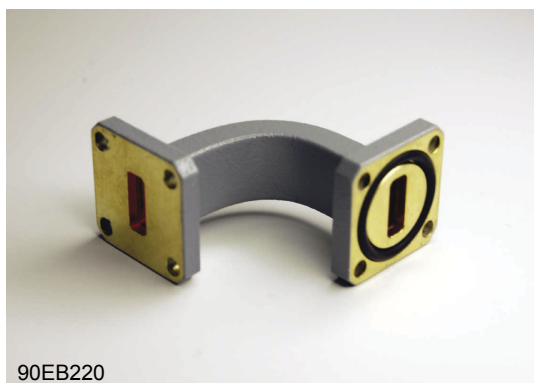
UDR70 NF



ST-UBR120-NF

UBR120 NF

TRONCHETTI E CURVE esempi per guida R220



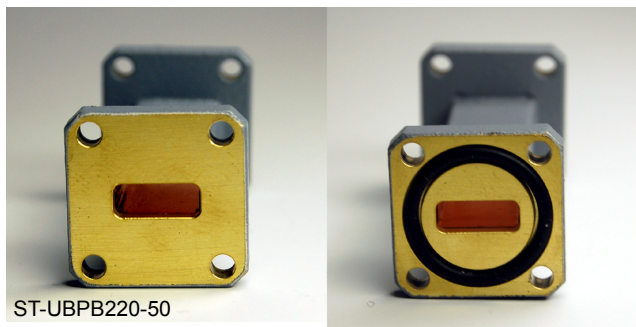
90EB220

90EB220



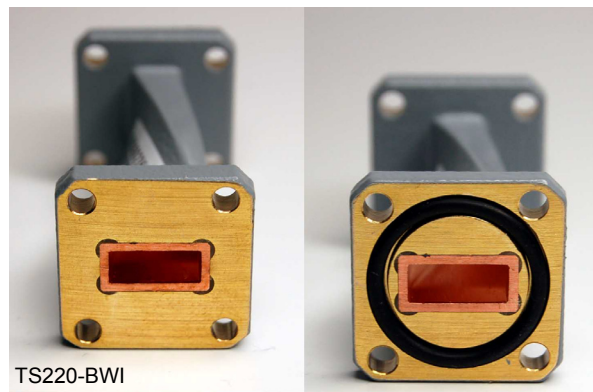
90HB220

90HB220



ST-UBPB220-50

ST-UBPB220-50



TS220-BWI

TS220-BWI

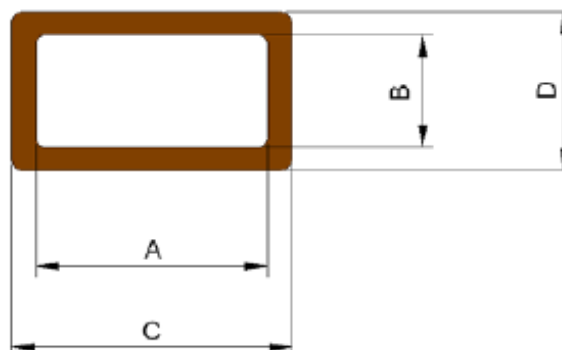
DIMENSIONI STANDARD GUIDA RETTAGOLARE

IEC	EIA	WG	Frequenza Ghz	SPESSORE	A x B	TOLL. ±	C x D	TOLL. ±
R40	WR229	11A	3.2 ÷ 4.90	1.626	58.17 x 29.083	0.076	61.42 x 32.33	0.076
R48	WR187	12	3.95 ÷ 5.99	1.626	47.55 x 22.149	0.064	50.80 x 25.40	0.076
R58	WR159	13	4.64 ÷ 7.05	1.626	40.39 x 20.193	0.051	43.65 x 23.44	0.051
R70	WR137	14	5.38 ÷ 8.18	1.626	34.85 x 15.799	0.046	38.10 x 19.05	0.051
R84	WR112	15	6.58 ÷ 10.0	1.626	28.49 x 12.624	0.038	31.75 x 15.87	0.051
R100	WR90	16	8.20 ÷ 12.5	1.270	22.86 x 10.16	0.025	25.40 x 12.70	0.025
R120	WR75	17	9.84 ÷ 15.0	1.270	19.05 x 9.525	0.025	21.59 x 12.06	0.025
R140	WR62	18	11.9 ÷ 18.0	1.015	15.799 x 7.899	0.020	17.83 x 9.93	0.025
R180	WR51	19	14.5 ÷ 22.0	1.015	12.954 x 6.477	0.020	14.99 x 8.51	0.025
R220	WR42	20	17.6 ÷ 26.7	1.015	10.668 x 4.318	0.020	12.70 x 6.35	0.025
R320	WR28	22	26.5 ÷ 40.1	1.015	7.112 x 3.556	0.020	89.14 x 5.59	0.025

ATTACCO FLANGE

PDR: Rettangolare con guarnizione

UDR: Rettangolare liscia

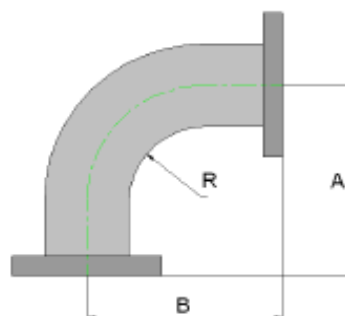


CURVA 90° PIANO H

IEC	EIA	Frequenza Ghz	VSWR	Lunghezza Min. Mm		
				A	B	R
R40	WR229	3.30 ÷ 4.9	1.06	55	55	25
R70	WR137	5.4 ÷ 8.2	1.06	50	50	20
R84	WR112	6.6 ÷ 10.0	1.06	50	50	18
R100	WR90	8.2 ÷ 12.5	1.06	40	40	13
R120	WR75	10.0 ÷ 15.0	1.06	35	35	12
R140	WR62	12.0 ÷ 18.0	1.07	40	40	12
R180	WR51	14.5 ÷ 22.0	1.07	50	50	30
R220	WR42	17.6 ÷ 26.7	1.08	20	20	15
R320	WR28	26.5 ÷ 40.1	1.08	20	20	8

ATTACCO FLANGE

PDR: Rettangolare con guarnizione
UDR: Rettangolare liscia
PBR: Quadrato con guarnizione
UBR: Quadrato liscio



CURVA 90° PIANO E

IEC	EIA	Frequenza Ghz	VSWR	Lunghezza Min. Mm		
				A	B	R
R40	WR229	3.30 ÷ 4.9	1.06	55	55	25
R70	WR137	5.4 ÷ 8.2	1.06	50	50	18
R84	WR112	6.6 ÷ 10.0	1.06	50	50	18
R100	WR90	8.2 ÷ 12.5	1.06	35	35	13
R120	WR75	10.0 ÷ 15.0	1.06	25	25	12
R140	WR62	12.0 ÷ 18.0	1.07	40	40	12
R180	WR51	14.5 ÷ 22.0	1.07	28	28	10
R220	WR42	17.6 ÷ 26.7	1.08	25	25	8
R320	WR28	26.5 ÷ 40.1	1.08	30	30	8

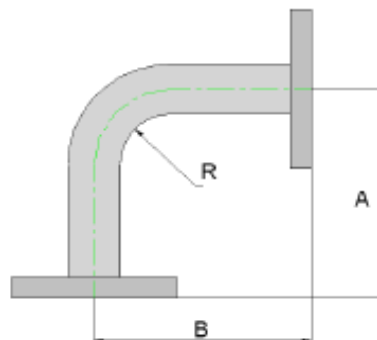
ATTACCO FLANGE

PDR: Rettangolare con guarnizione

UDR: Rettangolare liscia

PBR: Quadrato con guarnizione

UBR: Quadrato liscio



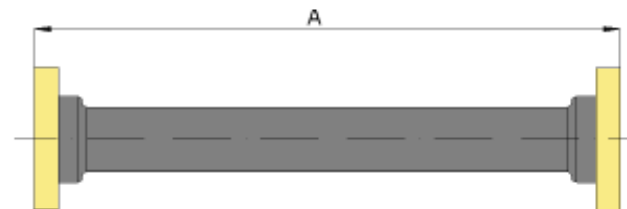
FLEX GOMMATI

IEC	EIA	Frequenza Ghz	VSWR	Lunghezza Standard A mm *								
				200	300	400	500	600	800	900	1000	1100
R70	WR137	5.4 ÷ 8.2	1.06		X			X	X	X		X
R84	WR112	6.6 ÷ 10.0	1.06		X			X		X		
R100	WR90	8.2 ÷ 12.5	1.06	X								
R120	WR75	10.0 ÷ 15.0	1.06		X	X		X			X	X
R140	WR62	12.0 ÷ 20.0	1.08	X	X	X		X				X
R180	WR51	14.5 ÷ 22.0	1.08		X	X	X	X				
R220	WR42	17.6 ÷ 26.7	1.10	X	X	X	X	X		X		
R320	WR28	26.5 ÷ 40.1	1.10	X	X	X	X					

* altre lunghezze su richiesta

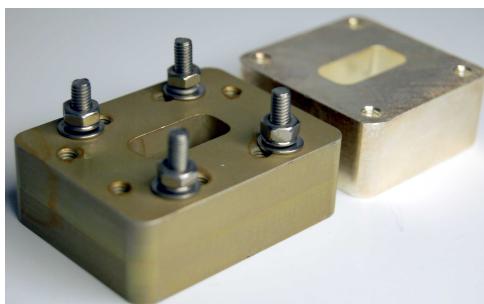
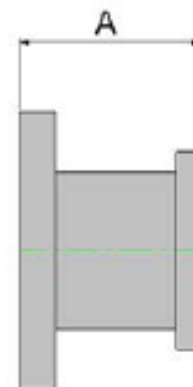
ATTACCO FLANGE

PDR: Rettangolare con guarnizione
UDR: Rettangolare liscia
PBR: Quadrato con guarnizione
UBR: Quadrato liscio



ADATTATORI GUIDA GUIDA

IEC	Frequenza Ghz	Lunghezza A mm
R40 - R48	3.30 ÷ 4.9	60
R70 - R84	6.6 ÷ 8.5	35 o 50
R84 - R100	8.0 ÷ 10.0	35 o 50
R100 - R120	9.8 ÷ 12.5	35 o 50 o 75
R120 - R140	11.9 ÷ 15.0	32
R140 - R180	14.5 ÷ 18.7	28
R180 - R220	17.7 ÷ 20.0	28



PARAFIL

TIPO A Filato interno in poliestere Allungamento al carico max.: 8% (Therylene) Valore di carico 640 N/mm ² Modulo elastico: 9.8 kN/mm ² (Youngs)				TIPO F filato interno in Kevlar 29R Allungamento al carico max.: 2,5% Valore di carico 1926 N/mm ² Modulo elastico: 77.7 kN/mm ² (Youngs)				TIPO G Filato interno in Kevlar 49R Allungamento al carico max.: 1,5% Valore di carico 1926 N/mm ² Modulo elastico: 125.6 kN/mm ² (Youngs)			
Grandezza	diam. est. mm.	diam. nom. filato mm.	Carico di rottura nominale Kg.	Grandezza	diam. est. mm.	diam. nom. filato mm.	Carico di rottura nominale Kg.	Grandezza	diam. est. mm.	diam. nom. filato mm.	Carico di rottura nominale Kg.
TON 0,3	4	2,2	300	TON 0,75	4	3	750	TON 0,75	4	3	750
TON 0,5	7	3,78	500	TON 1,5	7	4	1.500	TON 1,5	7	4	1.500
TON 1	8,5	5,3	1.000	TON 3	8,5	5,4	3.000	TON 3	8,5	5,4	3.000
TON 2	11	7,5	2.000	TON 6	11	7,6	6.000	TON 6	11	7,6	6.000
TON 3,5	13,5	10	3.500	TON 10,5	13,5	10	10.500	TON 10,5	13,5	10	10.500
TON 5	17	12	5.000	TON 15	17	12,5	15.000	TON 15	17	12,5	15.000
TON 7,5	19,8	15	7.500	TON 22,5	19,8	15	22.500	TON 22,5	19,8	15	22.500
TON 10	22	17	10.000	TON 30	22	17	30.000	TON 30	22	17	30.000
TON 15	27,5	22	15.000	TON 45	27,5	21,5	45.000	TON 45	27,5	21,5	45.000
TON 20	31	24	20.000	TON 60	31	24	60.000	TON 60	31	24	60.000
TON 30	36	29	30.000	TON 90	36	29	90.000	TON 90	36	29	90.000
TON 50	47	39	50.000	TON 150	47	39	150.000	TON 150	47	39	150.000

Nota: tolleranza su diam. esterno: ca. 2%

Possibile fornitura di funi non propaganti la fiamma.

ANTENNE FM

Feature	ST-FMD716	ST-FMD78	ST-FMD158	ST-FM3E78	ST-FMP-78
Frequency range	87.5 -108 Mhz				
Polarization	Vertical				
Impedance	50 Ohm				
V.S.W.R.	≤1.3				
Gain ref.To λ/2 dipole	2 dBd	2 dBd		4 dBd a mid.b	3.6 dBd
Max average	1.5 KW	5 KW	12.5 KW	5 KW	5 KW
Input Connector	716 DIN	7/8" EIA	1+5/8" EIA	7/8" EIA	7/8" EIA
Max wind velocity	220 Km/h				
Material	Stainless steel				Galvanized ironl
Weight	7.2 Kg	1.5 Kg	12.8 Kg	11 Kg	30 Kg
Mounting Pipes	50-127 mm				
Dimensions	H1372 x L900 mm	H1372 x L1305 mm		H1980 x L1501 mm	2000x1500x1305



ST-FMD716

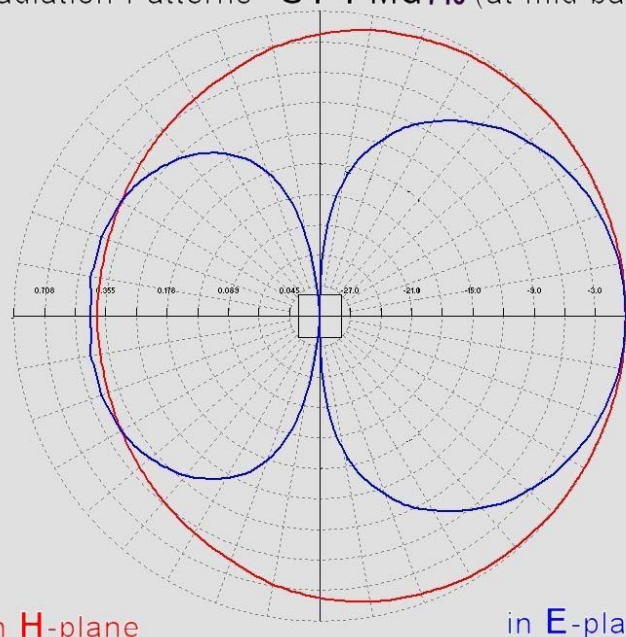
Broadband Dipole for Tubular Mast

Omnidirectional propagation with preferred direction.

Vertically polarized
2dBd Gain – 1,5 KW



Radiation Patterns **ST-FMd716** (at mid band)



Antenna a dipolo in mezz'onda realizzata in acciaio inox (body), rame ottone e teflon per le parti interne. Adatta per medie e piccole potenze. Il peso contenuto ed il non eccessivo sbraccio la rendono adatta anche per quelle strutture non troppo robuste.

CARATTERISTICHE SALIENTI

Frequency range	87,5 – 108 Mhz	Input Connector	716 DIN
Polarization	Vertical	Max wind velocity	220 Km/h
Impedance	50 Ohm	Material	Stainless steel
V.S.W.R.	≤ 1,3	Weight	7,2 Kg
Gain ref. To $\lambda/2$ dipole	2 d dB	Mounting Pipes	50-127 mm Ø
Max average inp.power	1,5 KW	Dimensions	H 1372 x L 900 mm

ST-FMD78

Broadband Dipole for Tubular Mast

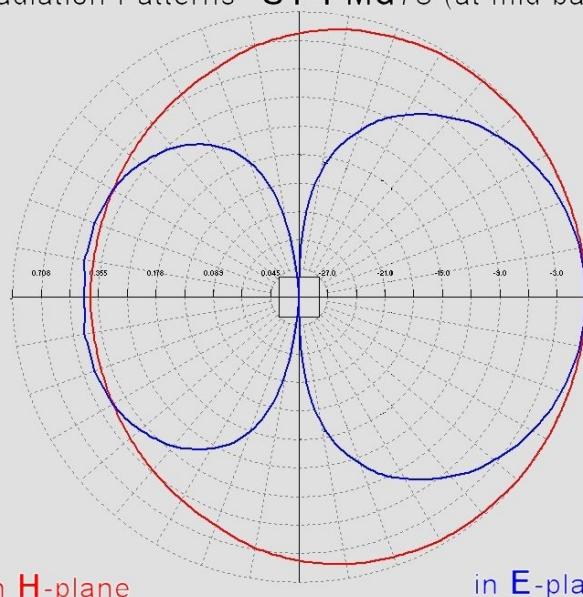
Omnidirectional propagation with preferred direction.

Vertically polarized

2dBd Gain – 12,5 KW



Radiation Patterns **ST-FMd78** (at mid band)



Antenna a dipolo in mezz'onda realizzata in acciaio inox (body), rame ottone e teflon per le parti interne. Adatta per medie e piccole potenze. Il peso contenuto ed il non eccessivo sbraccio la rendono adatta anche per quelle strutture non troppo robuste.

CARATTERISTICHE SALIENTI

Frequency range	87,5 – 108 Mhz	Input Connector	7/8" EIA
Polarization	Vertical	Max wind velocity	220 Km/h
Impedance	50 Ohm	Material	Stainless steel
V.S.W.R.	≤ 1,3	Weight	12,5 Kg
Gain ref. To $\lambda/2$ dipole	2 d dB	Mounting Pipes	50-127 mm Ø
Max average inp.power	5 KW	Dimensions	H 1372 x L 1305 mm

ST-FMD158

Broadband Dipole for Tubular Mast

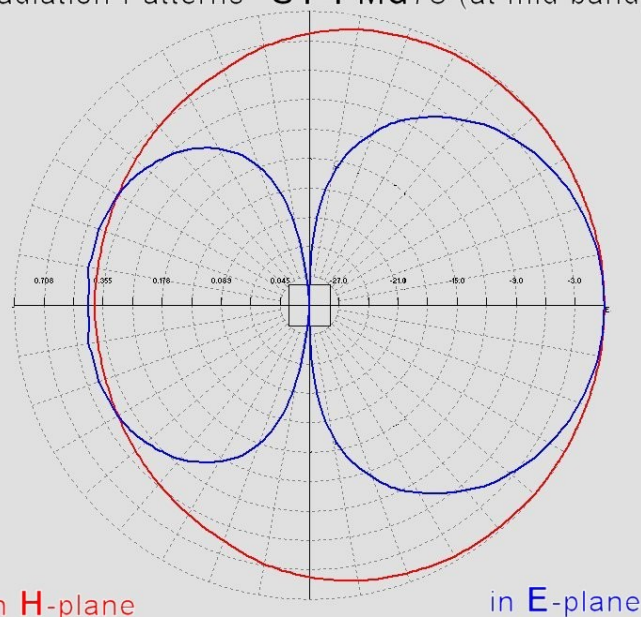
Omndirectional propagation with preferred direction.

Vertically polarized

2dBd Gain – 12,5 KW



Radiation Patterns **ST-FMd78** (at mid band)



Antenna a dipolo in mezz'onda realizzata in acciaio inox (body), rame ottone e teflon per le parti interne. Adatta per medie e piccole potenze. Il peso contenuto ed il non eccessivo sbraccio la rendono adatta anche per quelle strutture non troppo robuste.

CARATTERISTICHE SALIENTI

Frequency range	87,5 – 108 Mhz	Input Connector	1 + 5/8" EIA
Polarization	Vertical	Max wind velocity	220 Km/h
Impedance	50 Ohm	Material	Stainless steel
V.S.W.R.	≤ 1,3	Weight	12,8 Kg
Gain ref. To $\lambda/2$ dipole	2 d dB	Mounting Pipes	50-127 mm Ø
Max average inp.power	12,5 KW	Dimensions	H 1372 x L 1305 mm

ST-FM3E78

Broadband Dipole for Tubular Mast

Omnidirectional propagation with preferred direction.

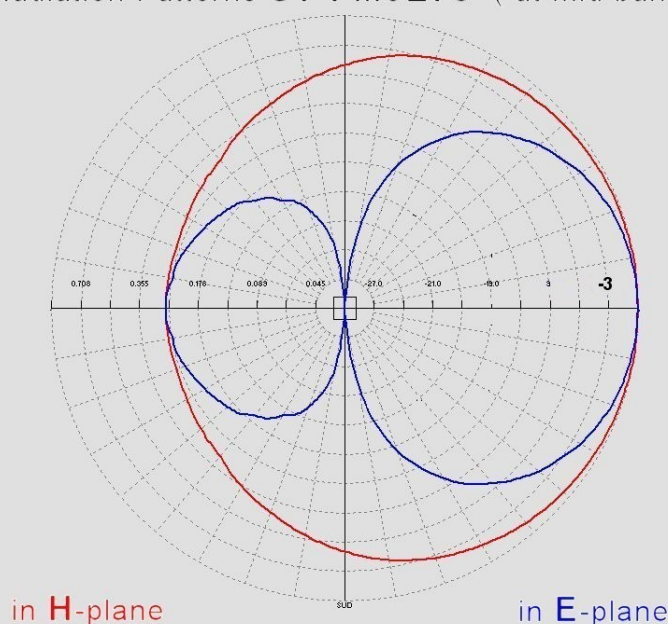
Directional propa

Vertically polarized

4dBd Gain – 5 KW



Radiation Patterns **ST-FM3E78** (at mid band)



Antenna a dipolo in mezz'onda realizzata in acciaio inox (body), rame ottone e teflon per le parti interne. Adatta per medie e piccole potenze. Il peso contenuto ed il non eccessivo sbraccio la rendono adatta anche per quelle strutture non troppo robuste.

CARATTERISTICHE SALIENTI

Frequency range	87,5 – 108 Mhz	Input Connector	7/8" EIA
Polarization	Vertical	Max wind velocity	220 Km/h
Impedance	50 Ohm	Material	Stainless steel
V.S.W.R.	≤ 1,3	Weight	11 Kg
Gain ref. To $\lambda/2$ dipole	4 d dB a mid.b	Mounting Pipes	50-127 mm Ø
Max average inp.power	5 KW	Dimensions	H 1980 x L 1501 mm

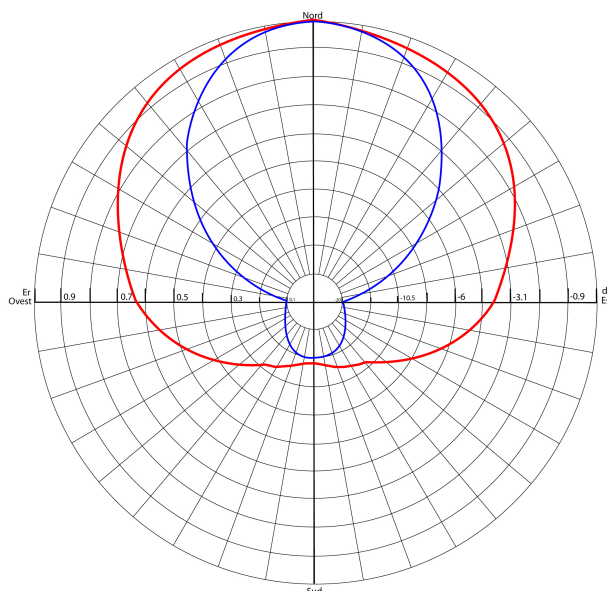
PANNELLO ST-FMP-78-(158)

Broadband for Tubular Mast

Direction propagation with preferred direction.

Vertically polarized

3,6 dBd Gain – 5 KW or 12,5 KW



ST-FMP1-78 / 158

H Rosso V Blu

Antenna a dipolo in mezz'onda realizzata in acciaio inox (body), rame ottone e teflon per le parti interne riflettore in ferro zincato. Adatta per medie e grandi potenze. Il peso contenuto ed il non eccessivo sbraccio la rendono adatta anche per quelle strutture non troppo robuste.

CARATTERISTICHE SALIENTI

Frequency range	87,5 – 108 Mhz	Input Connector	7/8" or 1 + 5/8" EIA
Polarization	Vertical	Max wind velocity	220 Km/h
Impedance	50 Ohm	Material	Galvanized iron
V.S.W.R.	≤ 1,3	Weight	30 Kg
Gain ref. To $\lambda/2$ dipole	3.6 d dB	Mounting Pipes	80-127 mm Ø
Max average inp.power	5 KW or 12,5 KW	Dimensions	2000x1500x1305

I Divisori di potenza ST sono costruiti in rame (body) e ottone (linee interne). Le varie parti sono saldate tra loro con lega d'argento per annullare le intermodulazioni. Sono a tenuta perfettamente e stagna e verniciati con una mano di fondo + due di vernice, colore RAL 7001 VSWR 1,07 o migliore su tutta la banda operativa.

Potenze: input 716 2,5Kw-7/8" 5Kw-1+5/8" 20Kw-3+1/8" 60Kw-4+1/2" 120Kw-6+1/8" 160Kw

DIVISORI FM

Codici dei divisori FM Sitel. Aggiungere "+T" con stub $\frac{1}{4} \lambda$ e "+S" per sbilanciato

A 2 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
6+1/8"	ST-FM618-2618	ST-FM618-2412	ST-FM618-2318			
4+1/2"		ST-FM412-2412	ST-FM412-2318	ST-FM412-2158		
3+1/8"			ST-FM318-2318	ST-FM318-2158	ST-FM318-278	
1+5/8"				ST-FM158-2158	ST-FM158-278	
7/8"					ST-FM78-278	ST-FM78-2716
7/16						ST-FM716-2716

A 3 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
6+1/8"		ST-FM618-3412	ST-FM618-3318			
4+1/2"			ST-FM412-3318	ST-FM412-3158		
3+1/8"			ST-FM318-3318	ST-FM318-3158	ST-FM318-378	
1+5/8"				ST-FM158-3158	ST-FM158-378	
7/8"					ST-FM78-378	ST-FM78-3716
7/16						ST-FM716-3716

A 4 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
6+1/8"			ST-FM618-2318			
4+1/2"			ST-FM412-2318	ST-FM412-2158		
3+1/8"			ST-FM318-2318	ST-FM318-2158	ST-FM318-278	
1+5/8"				ST-FM158-2158	ST-FM158-278	
7/8"					ST-FM78-278	ST-FM78-2716
7/16						ST-FM716-2716

A 5 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
3+1/8"				ST-FM318-5158	ST-FM318-578	
1+5/8"					ST-FM158-578	ST-FM158-5716
7/8"					ST-FM78-578	ST-FM78-5716
7/16						ST-FM716-5716

A 6 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
3+1/8"				ST-FM318-6158	ST-FM318-678	
1+5/8"					ST-FM158-678	
7/8"					ST-FM78-678	ST-FM78-6716
7/16						ST-FM716-6716

A 8 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
6+1/8"				ST-FM618-8158		
4+1/2"				ST-FM412-8158		
3+1/8"					ST-FM318-878	
1+5/8"					ST-FM158-878	ST-FM158-8716
7/8"						ST-FM78-8716
7/16						ST-FM716-8716

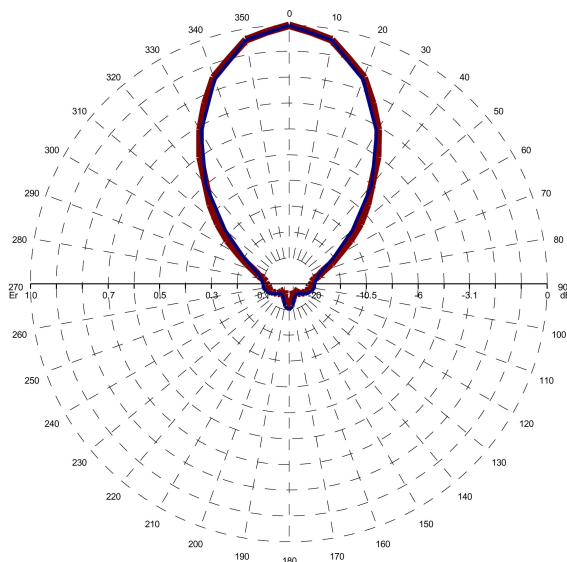
PANNELLO VHF ST - VHF - BIII



CARATTERISTICHE

Antenna di grande robustezza con Dipoli in Acciaio Inox e riflettore in acciaio zincato a caldo, isolatori in PTFE e viteria inox. Adatta per sistemi di alta potenza con polarizzazione orizzontale o verticale. Montata sulle 4 facce di un traliccio, determina un diagramma di radiazione quasi omnidirezionale.

Modello	ST - VHF - BIII
Guadagno medio dbd	7,5
V.S.W.R	< 1.4:1
Larghezza banda	174 – 225 MHz
Polarizzazione	Verticale / Orizzontale
Impedenza Ω	50
Connettore	7/16
Potenza Massima KW	2 KW
Dimensioni	1250 x 870 x 400 mm
Peso Kg	25 Kg netti



I Divisori di potenza ST sono costruiti in rame (body) e ottone (linee interne). Le varie parti sono saldate tra loro con lega d'argento per annullare le intermodulazioni. Sono a tenuta perfettamente e stagna e verniciati con una mano di fondo + due di vernice, colore RAL7001 VSWR 1,07 o migliore su tutta la banda operativa.

Potenze: input 716 1,5Kw-7/8" 3,5Kw-1+5/8" 12Kw-3+1/8" 40Kw-4+1/2" 85Kw-6+1/8" 100Kw

DIVISORI VHF

Codici dei divisori VHF Sitel. Aggiungere "+T" con stub $\frac{1}{4} \lambda$ e "+S" per sbilanciato

A 2 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
6+1/8"	ST-VHF618-2618	ST-VHF618-2412	ST-VHF618-2318			
4+1/2"		ST-VHF412-2412	ST-VHF412-2318	ST-VHF412-2158		
3+1/8"			ST-VHF318-2318	ST-VHF318-2158	ST-VHF318-278	
1+5/8"				ST-VHF158-2158	ST-VHF158-278	
7/8"					ST-VHF78-278	ST-VHF78-2716
7/16						ST-VHF716-2716

A 3 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
6+1/8"		ST-VHF618-3412	ST-VHF618-3318			
4+1/2"			ST-VHF412-3318	ST-VHF412-3158		
3+1/8"			ST-VHF318-3318	ST-VHF318-3158	ST-VHF318-378	
1+5/8"				ST-VHF158-3158	ST-VHF158-378	
7/8"					ST-VHF78-378	ST-VHF78-3716
7/16						ST-VHF716-3716

A 4 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
6+1/8"			ST-VHF618-2318			
4+1/2"			ST-VHF412-2318	ST-VHF412-2158		
3+1/8"			ST-VHF318-2318	ST-VHF318-2158	ST-VHF318-278	
1+5/8"				ST-VHF158-2158	ST-VHF158-278	
7/8"					ST-VHF78-278	ST-VHF78-2716
7/16						ST-VHF716-2716

A 5 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
3+1/8"				ST-VHF318-5158	ST-VHF318-578	
1+5/8"					ST-VHF158-578	ST-VHF158-5716
7/8"					ST-VHF78-578	ST-VHF78-5716
7/16						ST-VHF716-5716

A 6 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
3+1/8"				ST-VHF318-6158	ST-VHF318-678	
1+5/8"					ST-VHF158-678	
7/8"					ST-VHF78-678	ST-VHF78-6716
7/16						ST-VHF716-6716

A 8 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
6+1/8"				ST-VHF618-8158		
4+1/2"				ST-VHF412-8158		
3+1/8"					ST-VHF318-878	
1+5/8"					ST-VHF158-878	ST-VHF158-8716
7/8"						ST-VHF78-8716
7/16						ST-VHF716-8716

PANNELLO TV UHF BROADCAST ST - UHFP716



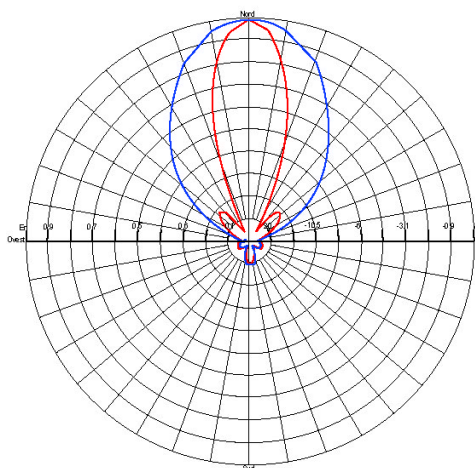
CARATTERISTICHE

Antenna a 4 dipoli in onda intera con pannello riflettente in acciaio inox. Radome di protezione in vetroresina. Adatta per sistemi collineari UHF direttivi, semi-direttivi o omnidirezionali.

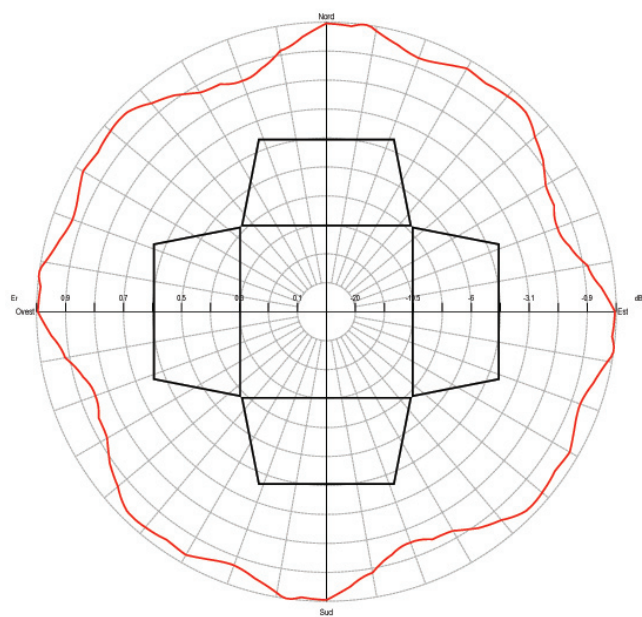
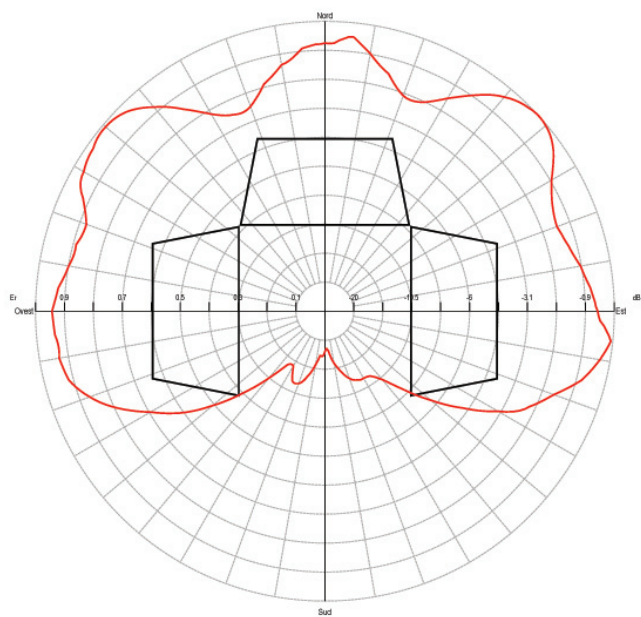
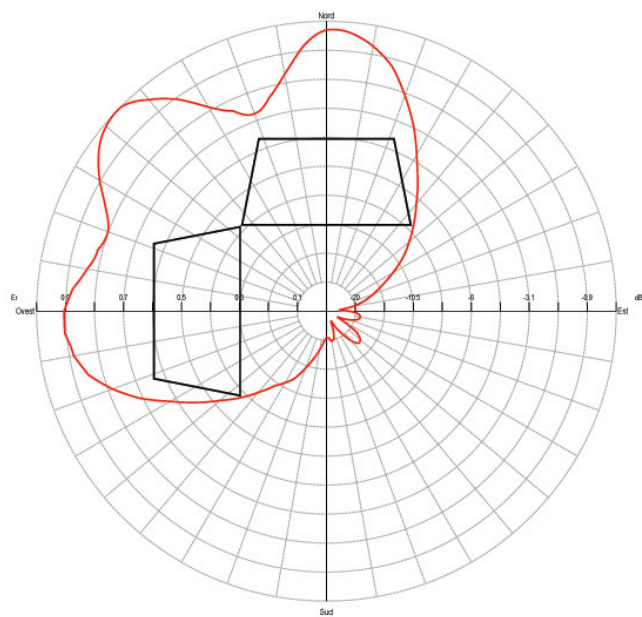
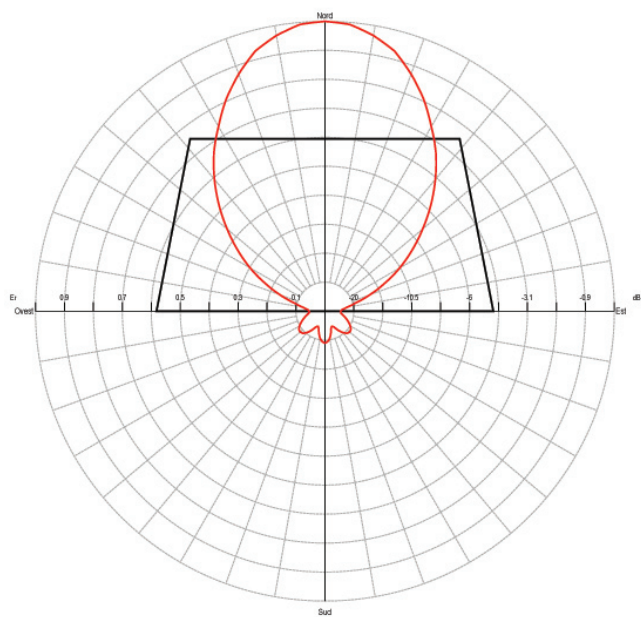
Connettori N femmina, 7/16 femmina, eia 7/8".

Sistema di ancoraggio standard con 4 viti 8 ma, pressurizzabile.

Modello	ST – UHFP716
Guadagno medio	11 dBd 13,2 dBi
Ampiezza orizzontale	60° a -3 dB (piano E)
Ampiezza verticale	25° a -3 dB (piano H)
Larghezza banda	470 – 860 MHz
Polarizzazione	Orizzontale
Impedenza Ω	50
Connettore	7/16 femmina
	Flangia 7/8" EIA
	N femmina
Potenza Massima W	1000 W
	2500 W
	400 W
Dimensioni	450 x 1050 x 250 mm
Peso Kg	14 Kg netti
Resistenza al vento	160 Km h : 90 Kg



DIAGRAMMI ORIZZONTALI CHE SI OTTENGONO CON I PANNELLI UHF 470 - 860 MHz SITEL



I Divisori di potenza ST sono costruiti in rame (body) e ottone (linee interne). Le varie partisono saldate tra loro con lega d'argento per annullare le intermodulazioni. Sono a tenuta perfettamente e stagna e verniciati con una mano di fondo + due di vernice, colore RAL 7001 VSWR 1,07 o migliore su tutta la banda operativa.

Potenze: input 716 1Kw-7/8" 2,5Kw-1+5/8" 6Kw-3+1/8" 25Kw-4+1/2" 40Kw-6+1/8" 60Kw

DIVISORI UHF

Codici dei divisori UHF Sitel. Aggiungere "+T" con stub $\frac{1}{4}$ λ e "+S" per sbilanciato

A 2 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
6+1/8"	ST-UHF618-2618	ST-UHF618-2412	ST-UHF618-2318			
4+1/2"		ST-UHF412-2412	ST-UHF412-2318	ST-UHF412-2158		
3+1/8"			ST-UHF318-2318	ST-UHF318-2158	ST-UHF318-278	
1+5/8"				ST-UHF158-2158	ST-UHF158-278	
7/8"					ST-UHF78-278	ST-UHF78-2716
7/16						ST-UHF716-2716

A 3 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
6+1/8"		ST-UHF618-3412	ST-UHF618-3318			
4+1/2"			ST-UHF412-3318	ST-UHF412-3158		
3+1/8"			ST-UHF318-3318	ST-UHF318-3158	ST-UHF318-378	
1+5/8"				ST-UHF158-3158	ST-UHF158-378	
7/8"					ST-UHF78-378	ST-UHF78-3716
7/16						ST-UHF716-3716

A 4 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
6+1/8"			ST-UHF618-2318			
4+1/2"			ST-UHF412-2318	ST-UHF412-2158		
3+1/8"			ST-UHF318-2318	ST-UHF318-2158	ST-UHF318-278	
1+5/8"				ST-UHF158-2158	ST-UHF158-278	
7/8"					ST-UHF78-278	ST-UHF78-2716
7/16						ST-UHF716-2716

A 5 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
3+1/8"				ST-UHF318-5158	ST-UHF318-578	
1+5/8"					ST-UHF158-578	ST-UHF158-5716
7/8"					ST-UHF78-578	ST-UHF78-5716
7/16						ST-UHF716-5716

A 6 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
3+1/8"				ST-UHF318-6158	ST-UHF318-678	
1+5/8"					ST-UHF158-678	
7/8"					ST-UHF78-678	ST-UHF78-6716
7/16						ST-UHF716-6716

A 8 vie	OUT	OUT	OUT	OUT	OUT	OUT
IN	6+1/8"	4+1/2"	3+1/8"	1+5/8"	7/8"	7/16
6+1/8"				ST-UHF618-8158		
4+1/2"				ST-UHF412-8158		
3+1/8"					ST-UHF318-878	
1+5/8"					ST-UHF158-878	ST-UHF158-8716
7/8"						ST-UHF78-8716
7/16						ST-UHF716-8716

STA12-MP Superturnstile Antennas 470-862 MHz

The RFS STA Series of super-turnstile antennas were developed to cover 470-862 MHz TV translator applications, utilising horizontal polarisation and giving an omni-directional horizontal radiation pattern.

The STA Series antennas are of aluminium and copper construction and are totally sealed in a cylindrical fibreglass radome. The antennas are designed for base mounting on top of a support structure. The profile gives a low wind load. The construction is lightweight.

The antenna is fully grounded by a lightning spike that is connected to the main support channel that runs down the inside of the radome to the antenna base plate

The STA versions with 7/8", 1-5/8" and 3-1/8" connectors can be pressurised via the flanged input.

The antenna is supplied tuned as specified by the customer.

Field tuning to a frequency other than that specified is not possible. Consult RFS if retuning is required.



Electrical Characteristics

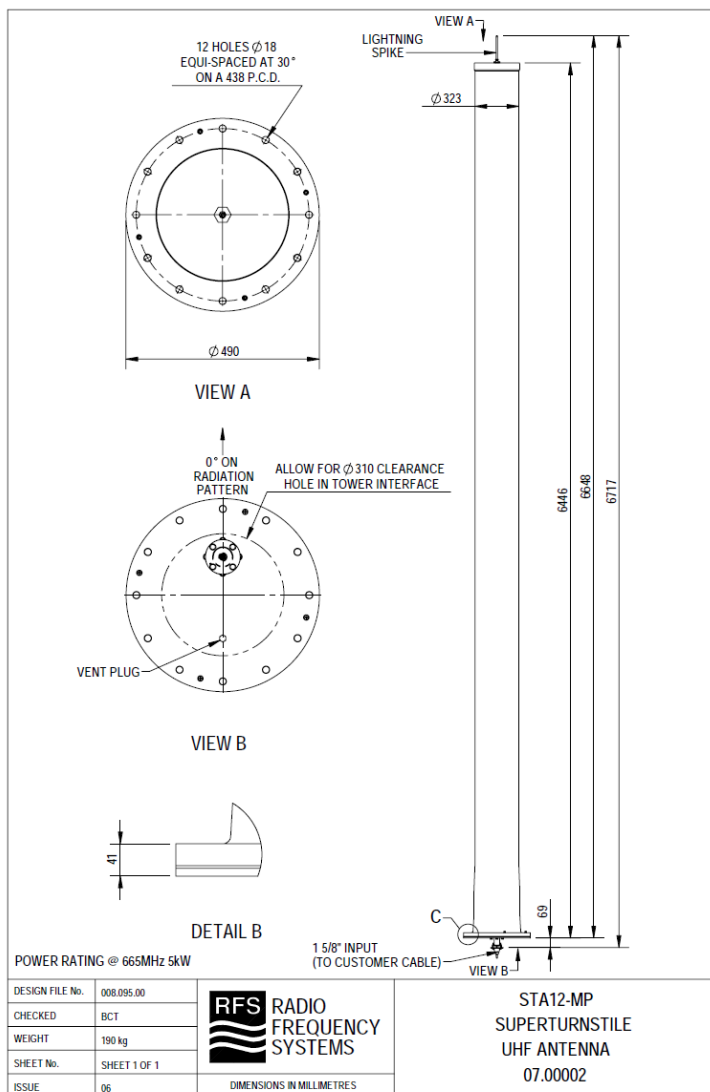
Model	STA12-MP
Frequency Range	470-862 (MHz)
Input Connector	1-5/8" EIA
Power Rating	5 kW (average) at 665 MHz
Return Loss	> 26 dB
Nominal Gain	11.18 dBd
Polarisation	Horizontal
Null Fill (min)	10% E/Emax
Beam Tilt	0.5°
Impedance	50 Ω

Mechanical Characteristics (Refer Drawing 07.00002)

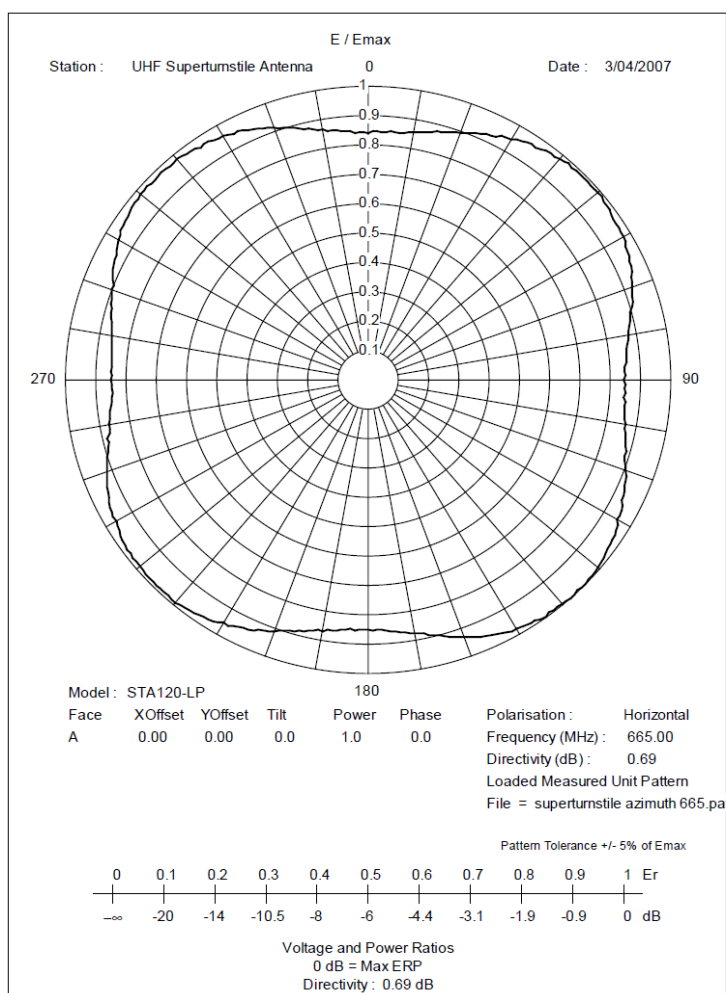
Radome Diameter at top (mm)	323 00
Radome Diameter at bottom (mm)	471.00
Length for packing (m)	6.75 m
Weight (kg)	160 kg
Wind Loading @ 160 km/h	3 kN
Base Flange Diameter	490 mm (438 PCD)
Mounting Point	Bottom

Pressurisation

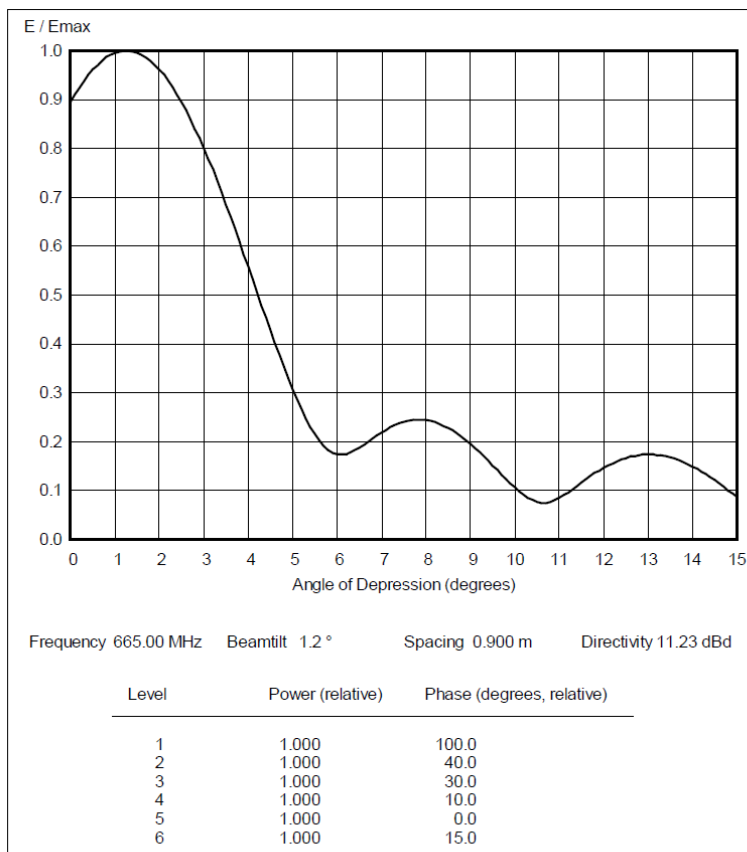
Test	100 kPa
Operational	15 kPa



STA12-MP

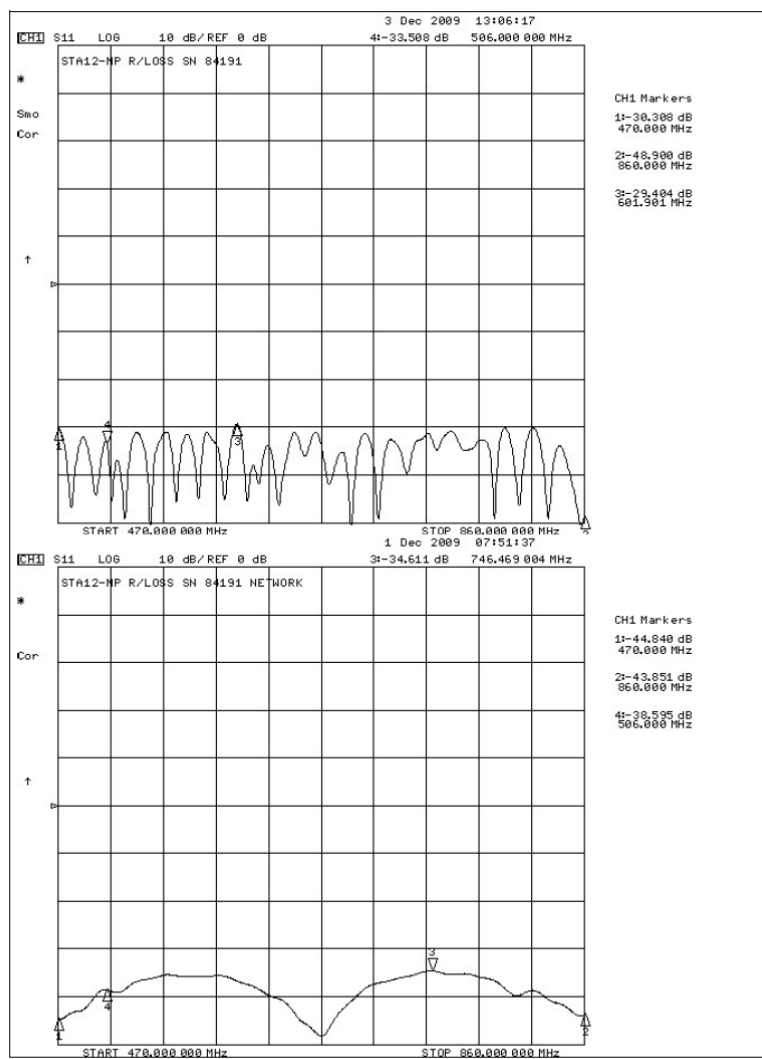


Horizontal Radiation Pattern at 665 MHz (typical)



Vertical Radiation Pattern at 665 MHz (typical)

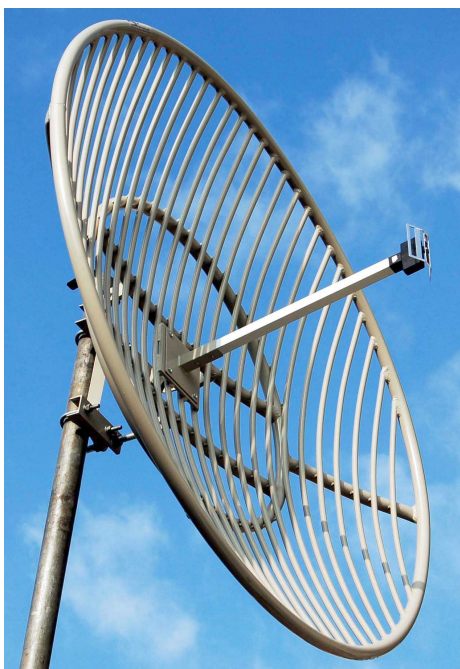
STA12-MP



Test Results: Return Loss STA12-MP, SN 84191

ST-G2325-150

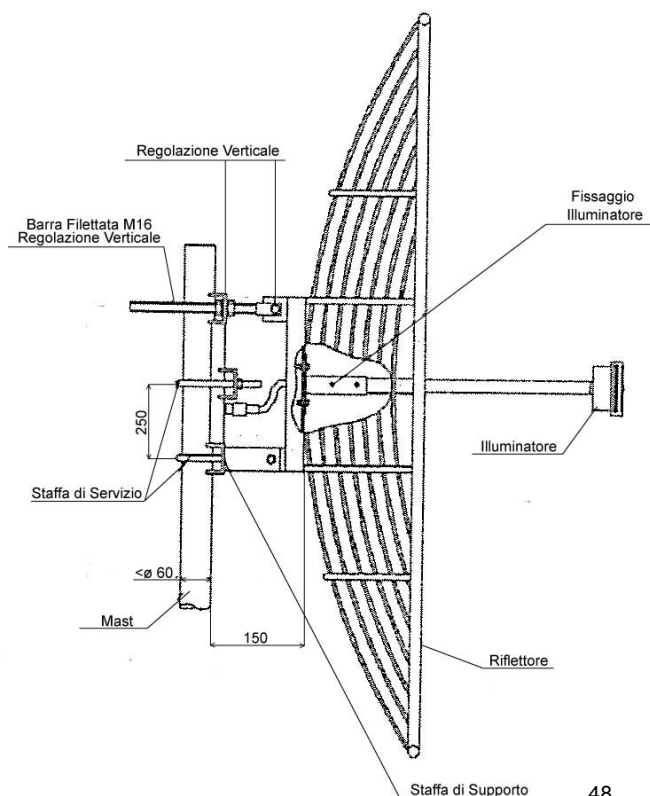
Antenna Parabolica 2,400 – 2,483 Ghz – Gain 29 dBi



Antenna particolarmente robusta in alluminio completamente saldata monoblocco.

CARATTERISTICHE SALIENTI

Model	ST-G2325-150
Freq. Range-MHz	2400 : 2483
Gain-dBi	29
Beamwidth-°	E:5.3 H:5.3
VSWR	≤1.5
Polarization	Vertical
Connector Type	N/ Female
Weight-Kg	20
Bandwidth-MZh	83
F/B Ratio-dB	≥30
Impedance-Ω	50
Max. Power-W	100
Dimension-m	Φ 1.5
Pole Diametr-mm	Φ 50~75
Rated Wind Velocity - m/s	60



ST-G2325

Gregoriana 2,3 – 2,5 Ghz – Gain 24 dBi



Modello	ST-G2325
Frequenza Mhz	2300-2500
Guadagno medio dBi	24
Angolo a -3 dB H	10
Angolo a -3 dB E	14
VSWR	≤ 1,5
F/B dB	≥ 31
Impedenza Ω	50
Polarizzazione	Orizzontale o Verticale
Potenza Massima W	100
Connettore	N femmina
Dimensioni Rif m.	0,6 x 0,9
Peso Kg	3,6

Punti di forza della gregoriana

Griglia in alluminio pressofuso
Parti in plastica resistente ai raggi UV
Alto guadagno e facilità di montaggio
Resistente alle intemperie

Istruzioni per il montaggio

Unire i due semiriflettori serrando adeguatamente le viti.

Montare l'illuminatore completo di sub riflettore (come da foto)

contestualmente alla staffa a L di ancoraggio al palo, tenendo presente la polarizzazione che si andrà ad utilizzare .

Utilizzare entrambi i collari a "U" se l'antenna viene montata

perpendicolarmente al palo di supporto . Uno solo se si deve inclinare.

Procedere al puntamento e serrare a fondo tutta la bulloneria.

ST-G5158-90

Gregoriana 5,1 – 5,8 Ghz – Gain 29.5 dBi



ST-G5158-90

Model	ST-G5158-90
Freq. Range-MHz	5150 ~ 5850
Gain-dBi	29.5
Bandwidth-MHz	700
Beamwidth-°	E:6 H:4
F/B Ratio-dB	≥25
VSWR	≤1.5
Impedance-Ω	50
Polarization	Vertical and Horizontal
Max. Power-W	100
Rated Wind Velocity m/s	60
Connector Type	N/ Female
Dimension Ø	0.6x0.9
Weight-Kg	2,0
Mast Diameter-mm	Φ 40~50

Punti di forza della gregoriana

Griglia in alluminio pressofuso
Parti in plastica resistente ai raggi UV
Alto guadagno e facilità di montaggio
Resistente alle intemperie

Istruzioni per il montaggio

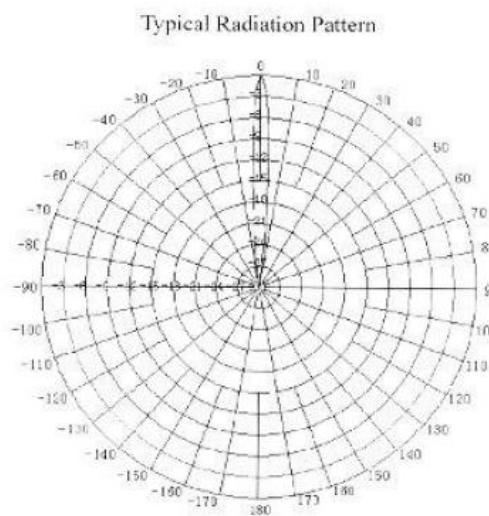
Unire i due semiriflettori serrando adeguatamente le viti.
Montare l'illuminatore (come da foto) contestualmente alla staffa a L di ancoraggio al palo, tenendo presente la polarizzazione che si andrà ad utilizzare .
Utilizzare entrambi i collari a "U" se l'antenna viene montata perpendicolarmente al palo di supporto . Uno solo se si deve inclinare.
Procedere al puntamento e serrare a fondo tutta la bulloneria.
Un supporto in inox rinforzato, più adatto per usi professionali Ø palo 40 : 80 m inclinazione ± 25°, è disponibile su richiesta.

PARABOLE DA 5GHz RFS

Feature	SPF2-52BN	SDF4-52CN	SPF4-52CN	SDF6-52CN	SPF6-52CN
Frequency, GHz	5.25 - 5.85				
Diameter, ft (m)	2 (0.6)	4 (1.2)		6 (1.8)	
Profile	SlimLine	SlimLine		SlimLine	
Performance	Standard	High	Standard	High	Standard
Polarization	Single	Single		Single	
Regulatory Compliance	Standard, FCC	Standard, FCC		Standard, FCC	
3dB beamwidth, (degrees)	5.8	3.0		2.0	
Antenna Input	N Female	N Female		N Female	
Low Band Gain, dBi	27.8	33.9		37.6	
Mid Band Gain, dBi	28.5	34.4		38.1	
High Band Gain, dBi	29.1	34.9		38.6	
F/B Ratio, dB	43	58	48	61	50
XPD, dB	30	30		30	
Max VSWR / R L, dB	1.50 / 14.0	1.50 / 14.0		1.50 / 14.0	
Elevation Adjustment, degrees	± 15	± 15		± 5	
Azimuth Adjustment, degrees	± 5	± 5		± 5	
Polarization Adjustment, degrees	± 5	± 5		± 5	
Radome	Optional	Included	Optional	Included	Optional
Radome Material	Fiberglass	Fiberglass			
Antenna color	White	White		White	
Mounting Pipe Diameter minimum, mm (in)	51 (2)	114 (4.5)		114 (4.5)	
Mounting Pipe Diameter maximum, mm (in)	114 (4.5)	114 (4.5)		144 (4.5)	
Minimum Length Pipe, m (ft)	0.4 (1.3)	0.5 (1.6)		0.6 (2)	
Approximate Weight, kg (lb)	10 (22)	45 (99)	30 (66)	95 (209)	50 (110)
Survival Windspeed, kph (mph)	250 (156)	200 (125)		200 (125)	
Operational Windspeed, kph (mph)	230 (143)	190 (118)		190 (118)	
F_s Side force maximum at 110 kph (68 mph), N (lb)	105 (23)	500 (112)	390 (87)	1125 (252)	5880 (197)
F _a Axial force max. at 110 kph (68 mph), N (lb)	360 (80)	1000 (224)	1310 (293)	2270 (508)	2995 (670)
M Torque maximum at 110 kph (68 mph), N·m (ft lb)	110 (82)	320 (238)	460 (286)	860 (640)	925 (690)
F _s Side force max. at 200 kph (125 mph), N (lb)	350 (78)	1630 (737)	1280 (286)	3715 (832)	2910 (651)
F_a Axial force max. at 200 kph (125 mph), N (lb)	1195 (267)	3290 (737)	4345 (973)	7500 (1680)	9900 (2217)
M Torque maximum at 200 kph (125 mph), N·m (ft lb)	360 (268)	1055 (784)	1500 (1120)	2835 (2100)	3055 (2270)

ST-52.58-120

Antenna Parabolica 5,150 - 5,850 Ghz – Gain 34 dBi



Antenna particolarmente robusta di facile posa in opera grazie anche all'asta con regolazione micrometrica per il puntamento orizzontale, adatta per reti WLAN e WIMAX ad alta capacità ed altro.

CARATTERISTICHE SALIENTI

Model	ST-52.58-120		
Freq. Range-MHz	5150 : 5850	Bandwidth-MHz	700
Gain-dBi	34	Ver. Beam width-°	3
Hor. Beamwidth-°	3	F/B Ratio-dB	≥40
VSWR	≤1.5	Impedance-Ω	50
Polarization	Vertical and Horizontal	Max. Power-W	100
Connector Type	N/ Female	Dimension Ø	120 cm
Weight-Kg	20	Pole Diameter-mm	Φ 50~75 (115*)

* Sostituendo il collare a U

ST-52.58D-120

Antenna Parabolica 5,150 – 5,850 Ghz – Gain 34 dBi – Dual pol



Antenna particolarmente robusta di facile posa in opera grazie anche all'asta con regolazione micrometrica per il puntamento orizzontale, adatta per reti WLAN e WIMAX ad alta capacita ed altro.

CARATTERISTICHE SALIENTI

Model	ST-52.58D-120		
Freq. Range-MHz	5150~5850	Bandwidth-MHz	700
Gain-dBi	34	Ver. Beamwidth-°	3
Hor. Beamwidth-°	3	F/B Ratio-dB	≥40
Isolant-dB	≥28	VSWR	≤1.5
Impedance-Ω	50	Polarization	Vertical and Horizontal
Max. Power-W	100	Connector Type	N/ Female/N Female
Caliber Size-m	Φ 1.2	Weight-Kg	20
Pole Diameter-mm	Φ 50~75 (115*)		

* Sostituendo il collare a U

PARABOLE DA 10GHz RFS

Feature	SU2-103BB	SU6-103BB	SUX6-103BB	UXA6-103BB
Frequency, GHz	10.3 – 10.7			
Diameter, ft (m)	2 (0.6)	6 (1.8)		
Profile	SlimLine	SlimLine		Standard
Performance	Ultra High			Ultra High, High Cross Polar Discrimination
Polarization	Single		Dual	
Regulatory Compliance	Standard, EN 302217			
3dB beamwidth, (degrees)	3.2	1		
Antenna Input	PBR 100	PBR 100		
Low Band Gain, dBi	33.4	43.2	43.1	
Mid Band Gain, dBi	33.6	43.4	43.3	
High Band Gain, dBi	33.8	43.5	43.4	
F/B Ratio, dB	59	70		73
XPD, dB	30	32		40
IPI, dB			35	45
Max VSWR / R L, dB	1.20 / 20.8	1.15 / 23.1	1.20 / 20.8	1.08 / 28.3
FCC Standard		A		
ETSI Standard	Range 1, class 3	Range 1, class 3		Range 1, class 3, XPD
Elevation Adjustment, degrees	± 30	± 5		
Azimuth Adjustment, degrees	± 30	± 5		
Polarization Adjustment, degrees	± 5	± 5		
Pressure, bar (psi)	0.3 (4.3)	0.3 (4.3)		
Radome	Included			
Antenna color	White			
Mounting Pipe Diameter minimum, mm (in)	51 (2)	114 (4.5)		
Mounting Pipe Diameter maximum, mm (in)	114 (4.5)	114 (4.5)		
Minimum Length Pipe, m (ft)	0.4 (1.3)	0.6 (2)		
Approximate Weight, kg (lb)	15 (33)	95 (209)		
Survival Windspeed, kph (mph)	250 (156)	200 (125)		
Operational Windspeed, kph (mph)	230 (143)	190 (118)		
F_s Side force maximum at 110 kph (68 mph), N (lb)	140 (31)	1125 (252)		
F_a Axial force max. at 110 kph (68 mph), N (lb)	270 (60)	2270 (508)		
M Torque maximum at 110 kph (68 mph), N•m (ft lb)	80 (60)	860 (640)		
F_s Side force max. at 200 kph (125 mph), N (lb)	445 (100)	3715 (832)		
F_a Axial force max. at 200 kph (125 mph), N (lb)	905 (202)	7500 (1680)		
M Torque maximum at 200 kph (125 mph), N•m (ft lb)	260 (194)	2835 (2100)		

PARABOLE RFS DA 10GHz

Feature	SU4-103BB	SUX4-103BB	UXA4-103BB
Frequency, GHz	10.3 – 10.7		
Diameter, ft (m)	4 (1.2)		
Profile	SlimLine		Standard
Performance	Ultra High		Ultra High, High Cross Polar Discrimination
Polarization	Single	Dual	
Regulatory Compliance	Standard, EN 302217		
3dB beamwidth, (degrees)	1.6		1.7
Antenna Input	PBR 100		
Low Band Gain, dBi	39.6	39.5	
Mid Band Gain, dBi	39.8	39.7	
High Band Gain, dBi	39.9	39.8	
F/B Ratio, dB	65		69
XPD, dB	32		40
IPI, dB		35	45
Max VSWR / R L, dB	1.15 / 23.1	1.20 / 20.8	1.10 / 26.4
FCC Standard	A		A
ETSI Standard	Range 1, class 3		Range 1, class 3, XPD
Elevation Adjustment, degrees	± 15		
Azimuth Adjustment, degrees	± 5		
Polarization Adjustment, degrees	± 5		
Pressure, bar (psi)	0.3 (4.3)		
Radome	Included		
Antenna color	White		
Mounting Pipe Diameter minimum, mm (in)	114 (4.5)		
Mounting Pipe Diameter maximum, mm (in)	114 (4.5)		
Minimum Length Pipe, m (ft)	0.5 (1.6)		
Approximate Weight, kg (lb)	35 (77)		40 (88)
Survival Windspeed, kph (mph)	200 (125)		
Operational Windspeed, kph (mph)	190 (118)		
F _s Side force maximum at 110 kph (68 mph), N (lb)	500 (112)		
F _a Axial force max. at 110 kph (68 mph), N (lb)	1000 (224)		
M Torque maximum at 110 kph (68 mph), N·m (ft lb)	320 (238)		
F _s Side force max. at 200 kph (125 mph), N (lb)	1630 (365)		
F _a Axial force max. at 200 kph (125 mph), N (lb)	3290 (737)		
M Torque maximum at 200 kph (125 mph), N·m (ft lb)	1055 (784)		

PARABOLE DA 15GHz RFS

Feature	SB2-142CB	SP2-142BB	SU2-142BB	UXA2-142CB
Frequency, GHz	14.2 - 15.35			
Diameter, ft (m)	2 (0.6)			
Profile	CompactLine	SlimLine		Standard
Performance	Ultra High	Standard	Ultra High	Ultra High, High Cross Polar Discrimination
Polarization	Single			Dual
Regulatory Compliance	Standard, EN 302217			
3dB beamwidth, (degrees)	2.1	2.3		
Antenna Input	PBR 140			
Low Band Gain, dBi	37.1	36.2		36.3
Mid Band Gain, dBi	37.3	36.5		
High Band Gain, dBi	37.5	36.8		
F/B Ratio, dB	66	43	62	64
XPD, dB	30	32		36
IPI, dB				40
Max VSWR / R L, dB	1.30 / 17.7	1.20 / 20.8		1.13 / 24.3
ETSI Standard	Range 2, class 3	Range 2, class 1	Range 2, class 2	
Elevation Adjustment, degrees	± 30			
Azimuth Adjustment, degrees	± 30			
Polarization Adjustment, degrees	± 5			
Pressure, bar (psi)	0.3 (4.3)			
Radome	Included	Optional	Included	
Radome Material		Fiberglass		
Antenna color	White			
Mounting Pipe Diameter minimum, mm (in)	51 (2)			
Mounting Pipe Diameter maximum, mm (in)	114 (4.5)			
Minimum Length Pipe, m (ft)	0.4 (1.3)			
Approximate Weight, kg (lb)	12 (26.5)	10 (22)	15 (33)	
Survival Windspeed, kph (mph)	250 (156)			
Operational Windspeed, kph (mph)	230 (143)			
F_s Side force maximum at 110 kph (68 mph), N (lb)	90 (20)	105 (23)	140 (31)	
F _a Axial force max. at 110 kph (68 mph), N (lb)	270 (60)	360 (80)	270 (60)	
M Torque maximum at 110 kph (68 mph), N•m (ft lb)	80 (60)	110 (82)	80 (60)	
F_s Side force max. at 200 kph (125 mph), N (lb)	290 (65)	350 (78)	445 (100)	
F_a Axial force max. at 200 kph (125 mph), N (lb)	905 (202)	1195 (267)	905 (202)	
M Torque maximum at 200 kph (125 mph), N•m (ft lb)	260 (194)	360 (268)	260 (194)	

PARABOLE 15GHz RFS

Feature	SD4-142BB	SDX4-142BB	SP4-142BB	SU4-142BB	SUX4-142BB2
Frequency, GHz	14.2 - 15.35				
Diameter, ft (m)	4 (1.2)				
Profile	SlimLine				
Performance	Ultra High	High		Standard	Ultra High
Polarization	Single	Dual	Single		Dual
Regulatory Compliance	Standard, EN 302217				
3dB beamwidth, (degrees)	1.2				
Antenna Input	PBR 140				
Low Band Gain, dBi	42.3	42.1	42.2		42.1
Mid Band Gain, dBi	42.5	42.4	42.5		42.4
High Band Gain, dBi	42.7		42.8		42.7
F/B Ratio, dB	63		49	70	
XPD, dB	30			32	
IPI, dB		35			35
Max VSWR / R L, dB	1.20 / 20.8	1.25 / 19.1	1.20 / 20.8		1.25 / 19.1
ETSI Standard	Range 2, class 2		Range 2, class 1	Range 2, class 2	
Elevation Adjustment, degrees	± 15				
Azimuth Adjustment, degrees	± 5				± 5
Polarization Adjustment, degrees	± 5				± 5
Pressure, bar (psi)	0.3 (4.3)				
Radome	Included		Optional	Included	
Radome Material			Fiberglass		
Antenna color	White				
Mounting Pipe Diameter minimum, mm (in)	114 (4.5)				
Mounting Pipe Diameter maximum, mm (in)	114 (4.5)				
Minimum Length Pipe, m (ft)	0.5 (1.6)				
Approximate Weight, kg (lb)	35 (73)		24 (53)	35 (77)	
Survival Windspeed, kph (mph)	200 (125)				250 (156)
Operational Windspeed, kph (mph)	190 (118)				
F_s Side force maximum at 110 kph (68 mph), N (lb)	500 (112)		390 (87)	500 (112)	
F _a Axial force max. at 110 kph (68 mph), N (lb)	1000 (224)		1310 (293)	1000 (224)	
M Torque maximum at 110 kph (68 mph), N•m (ft lb)	320 (238)		460 (342)	320 (238)	
F_s Side force max. at 200 kph (125 mph), N (lb)	1630 (365)		1280 (286)	1630 (365)	
F_a Axial force max. at 200 kph (125 mph), N (lb)	3290 (737)		4345 (973)	3290 (737)	
M Torque maximum at 200 kph (125 mph), N•m (ft lb)	1055 (784)		1500 (1120)	1055 (784)	

PARABOLE DA 15GHz RFS

Feature	SD6-142BB	SP6-142BB	SU6-142BB	UXA6-142BB
Frequency, GHz	14.2 - 15.35			
Diameter, ft (m)	6 (1.8)			
Profile	SlimLine			Standard
Performance	High	Standard	Ultra High	Ultra High, High Cross Polar Discrimination
Polarization	Single			Dual
Regulatory Compliance	Standard, EN 302217			
3dB beamwidth, (degrees)	0.8			
Antenna Input	PBR 140			
Low Band Gain, dBi	45.8	45.7		45.8
Mid Band Gain, dBi	46			
High Band Gain, dBi	46.2	46.3		
F/B Ratio, dB	67	53	73	75
XPD, dB	30	32		38
IPI, dB				40
Max VSWR / R L, dB	1.20 / 20.8			1.10 / 26.4
ETSI Standard	Range 2, class 2	Range 2, class 1	Range 2, class 2	Range 2, class 2, XPD
Elevation Adjustment, degrees	± 5			
Azimuth Adjustment, degrees	± 5			
Polarization Adjustment, degrees	± 5			
Pressure, bar (psi)	0.3 (4.3)			
Radome	Included	Optional	Included	
Radome Material		Fiberglass		
Antenna color	White			
Mounting Pipe Diameter minimum, mm (in)	114 (4.5)			
Mounting Pipe Diameter maximum, mm (in)	114 (4.5)			
Minimum Length Pipe, m (ft)	0.6 (2.0)			
Approximate Weight, kg (lb)	95 (209)	50 (110)	95 (209)	
Survival Windspeed, kph (mph)	200 (125)			
Operational Windspeed, kph (mph)	190 (118)			
F_s Side force maximum at 110 kph (68 mph), N (lb)	1125 (252)	880 (197)	1125 (252)	
F _a Axial force max. at 110 kph (68 mph), N (lb)	2270 (508)	2995 (670)	2270 (508)	
M Torque maximum at 110 kph (68 mph), N•m (ft lb)	860 (640)	925 (690)	860 (640)	
F_s Side force max. at 200 kph (125 mph), N (lb)	3715 (832)	2910 (651)	3715 (832)	
F_a Axial force max. at 200 kph (125 mph), N (lb)	7500 (1680)	9900 (2217)	7500 (1680)	
M Torque maximum at 200 kph (125 mph), N•m (ft lb)	2835 (2100)	3055 (2270)	2835 (2100)	

CUSTOMER		
TEL	FAX	email
station name		
location: lat. ° ' " n/s - long ° ' " e/w - a.g.l.(m)		

transmitter power (KW) _____ f. Mhz _____
min. power rating for system (KW) _____

antenna gain or ERP or number of bays: _____
polarization : horizontal ☐ or vertical ☐ or slant ☐
beam tilt ° : _____ null fill % : _____

tower: square ☐ or triangular ☐ or round ☐
azimuth direction of tower face ° : _____

feeder: air ☐ or foam ☐ -size _____ - length (m) _____
connectors size: _____ dehydrator: yes ☐ no ☐

half antenna yes ☐ no ☐ mode:
half power ☐ full power ☐ 1 feeder ☐ 2 feeders ☐

patch panel: yes ☐ no ☐ combiner: yes ☐ no ☐
measurement link: Yes ☐ no ☐

