

Cavo Coax Superflex RoHS compliant- codice articolo CPP0000015

SPECIFICHE TECNICHE	Type No.	Part No.
Standard cable	RF5012S	06.012.S00-002
Fire retardant cable	RF5012S Z	06.012.S00-002/FR
Construction		
Inner conductor	materiale e diametro	Copper clad aluminum wire - 3.60 ± 0.04 mm
Insulation	materiale e diametro	Physically foamed PE - 8.80 ± 0.20 mm
Outer conductor	materiale e diametro	Helically corrugated copper - 12.20 ± 0.20 mm
Jacket	materiale e diametro	PE or fire retardant PE 13.60 ± 0.20
Proprietà meccaniche		
Bending radius	Single e repeated e moving	25 / 30 / 200 mm
Pulling strength	800 N	
Crush resistance	1.9 kg/mm	
Proprietà elettriche		
Impedance	$50 \pm 1 \Omega$	
Capacitance	82 pF/m	
Inductance	$0.205 \mu\text{H/m}$	
Propagation velocity	81 %	
DC breakdown voltage	2.5 kV	
Insulation resistance	$>5 \times 10^3 \text{ M}\Omega \text{ km}$	
Peak power	15.6 kW	
Screening attenuation	$>>120 \text{ dB}$	
Inner conductor DC	resistance	$2.69 \Omega/\text{km}$
Outer conductor DC	resistance	$3.54 \Omega/\text{km}$
Recommended temp.	Store Installation Operation	-70 ~+85 -40 ~+60 -55 ~+85
Cut-off frequency	10.2 GHz	

Attenuation	Average power	
Frequency MHz	Nom. attenuation @20°C,dB/100m	Power rate @20°C,kW
10	1.04	10.1
100	3.41	3.08
200	4.91	2.14
450	7.59	1.38
800	10.4	1.01
900	11.2	0.943
1000	11.8	0.889
1500	14.9	0.705
1800	16.6	0.634
2000	17.6	0.597
2300	19.1	0.549
3000	22.4	0.469
VSWR		
800 ~960 MHz	≤ 1.15	
1700~2200 MHz	≤ 1.15	
5~3000 MHz	≤ 1.15	

Caratteristiche prodotto:

For fire retardant jacket, recommended temp are:
store temp. -30~+80°C,
Installation temp. -25~+60°C,
operation temp. -30~+80°C.

IEC requirements:

IEC 60754-1/2 smoke emission, halogen free, no corrosive,
IEC 60332-1 flame retardant,
IEC 61034 low smoke,
max attenuation value shall be 105% of the nominal attenuation value.

