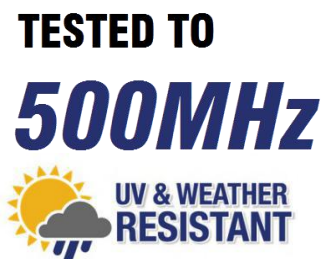


Part No: C6UFA
Description: The Steel Wire Armored Cat 6 U/FTP cable has been tested to 250MHz making it the ideal choice for high speed data networks across buildings. It has good behavior for UV-resistant. Suitable for direct outdoor or ducts installation.



Construction

Conductor	Solid Bare Copper
AWG	23
Insulation Material	Solid High Density Polyethylene (HDPE)
Number of Pairs	4
Pair Identification	TIA 568
Individual Pair Screen	Aluminium Polyester Foil, >100% Coverage
Drain Wire	Solid tinned Copper Wire
1 st Sheath Material	Polyvinyl Chloride (PVC) Or Low Density Polyethylene (LDPE) Or LSZH
Armour	Galvanized Steel Wire Helically Armoring
2 nd Sheath Material	Low Density Polyethylene (LDPE) Or LSZH

Electrical Characteristics

Max. Conductor Resistance @ 20°C	≤ 9.38 Ω/100m
Max. Resistance Unbalanced	≤ 5.0 %
Nominal Impedance	100 ± 15 Ω (1-100MHz), 100 ± 20 Ω (100-250MHz), 100 ± 25 Ω (250-500MHz),
Insulation Resistance	5000MΩ*km
Mutual Capacitance	≤ 5.6nF/100m
Capacitance Unbalanced to Earth	≤ 330 pF/ 100m
NVP	68.5 %
Max. Delay Skew	≤ 45 nS/ 100m
Test Voltage	700V(DC) for 1 min

Physical Characteristics

Overall Diameter	11.4 ± 0.4mm		
Bend Radius	Fixed 8 x OD,	Flexing 10 x OD	
Temperature Rating	Fixed -20°C to 70°C,	Flexing -10°C to 60°C	
Weight	225 kg/km		
Packing	120kg/500m by drum		
Package Dimension	55*55*45cm		

Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	300	400	500	MHz
Attenuation	1.9	3.5	5.5	7.0	7.9	10.0	14.4	18.6	27.4	31.1	34	41.1	47.1	dB
Return Loss	19.1	21.0	21.0	20.0	19.5	18.5	16.0	14.0	11.0	10.0	9.2	8.0	7.0	dB
NEXT	65.0	64.1	57.8	54.6	53.1	50.0	45.1	41.8	36.0	35.3	34.0	31.9	30.4	dB
PS NEXT	62.0	61.8	55.5	52.2	50.7	47.5	42.7	39.3	34.3	32.7	31.4	29.3	27.6	dB
ACRF	64.2	52.1	44.2	40.1	38.2	34.3	28.3	24.2	18.2	16.2	14.6	12.1	10.2	dB
PSACRF	61.2	49.1	41.2	37.1	35.2	31.3	25.3	21.2	15.2	13.2	11.6	9.1	7.2	dB

Standards

RoHS2 Compliance	Yes	Manufactured in accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
CE Compliant	LVD (2014/35/EU)	UV Resistance	Good, ISO 4892-3†
CPR Classification	F _{CA} (EN50575:2014+A1:2016)	Weather Resistance	Good, ISO 4892-3†

Information and images on this datasheet are intended for guidance only and products may vary due to manufacturing changes, technical improvements and commercial factors. We reserve the right to amend the product information without notice or liability.

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