

Cable Standards

The cable is compliant with:

- ISO61156-6 ed 2

It is also designed to be compliant with EN50288-10-2 when it is published.

Brand-Rex Copper Cables - 10GPlus Zone Cable
Communication Cable, U/FTP, 100 Ω, 4x2xAWG 26/1

Electrical Characteristics @ 20°C	Specification	Typical Performance
Conductor Loop Resistance	< 29 Ω / 100m	26
Conductor Resistance Unbalance	Max. 2%	0,5%
Dielectric Strength	1.0kV dc or 0.7kV ac for 1 min	100% in process test
Insulation Resistance	>5000M Ω/M @ 100-500 V test voltage	>5000M Ω /M
Capacitance Unbalance to Earth	Max. 160 pF/100m	60 pF/100m
Velocity of Propagation	<537,6 nsec/100m @ 100MHz	417 nsec/100m @ 100MHz (NVP for hand held testers = 0.80)
Skew	Max. 45 nsec/100m @ 100MHz	5 nsec/100m @ 1100MHz
Mean Characteristic Impedance	100 Ω ± 5 Ω @ 100MHz	100 Ω +/- 3 Ω @ 100MHz

Characteristic	Typical Headroom vs Cat6 (250MHz)	Typical Headroom vs AC6 (500MHz)
Return Loss	5dB	5dB
Insertion Loss	20%	20%
NEXT	20dB	20dB
PSNEXT	20dB	20dB
ELFEXT	15dB	15dB
PSELFEXT	15dB	15dB
PSA ACR-N	NA	20dB
PSAACR-F	NA	20dB

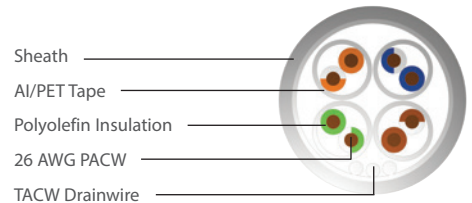
Typical headroom on key S/N characteristics - for information only

	Typical Headroom vs Cat6 (250MHz)	Typical Headroom vs AC6 (500MHz)
PSACR @ 500MHz	NA	35dB
PSAACR-N* @ 500MHz	NA	20dB

* Power Sum Attenuation to Alien Crosstalk (near end) Ratio
The Alien crosstalk performance of cables is assessed using a '6 round 1' or '4 on a drum' method.

Product Part Numbering

Part Number	Length (m)	Cable type	Colour	Nominal Cable Diameter (mm)	Nominal Weight (Kg/Km)	Calorific Value kWh/m	Fire Safety Rating
AC6-DCZ-500VT	500	LSHF	Violet	5.4	33	0.08	IEC 60332-1-2
AC6-DCZ-1000VT	1000						
AC6-DCZ-500GY	500	LSHF	Grey	5.4	33	0.08	IEC 60332-1-2
AC6-DCZ-1000GY	1000						



Independent 3rd Party Certification (3P)

PRODUCT DESCRIPTION

10GPlus U/FTP, 100 Ω, 4x2xAWG 26/1 is a premium grade Class EA / Augmented Category 6 cable to support 10 Gigabit Ethernet protocol for use within the data centre environment.

PRODUCT PERFORMANCE

Core

- Conductor: 26 AWG Plain Annealed Copper Wire
- Insulation: Cellular Polyolefin
- Diameter: 1.0mm Nominal
- Pair: 2 of the above cores
- Tape Screen: Individual pair wrapped with aluminium polyester tape applied metal side out
- Pair Colour: Blue-White, Orange-White, Green-White, Brown-White

Final Assembly

- Cable: 4 of the above shielded pairs
- Drainwire: 0.5mm Tinned Annealed Copper Wire
- Sheath: LSHF compound

Mechanical and Environmental

- Temp-Installation: 0°C to +50°C
- Temp-Operation: -20°C to +75°C
- Max Tensile Load: 10kg per simplex cable (installation)
- Min Bend Radius: 8 x Outer Diameter (installation)
4 x Outer Diameter (operation)

Halogen Free cable types (LSHF) meet IEC 60754-2 and IEC 61034