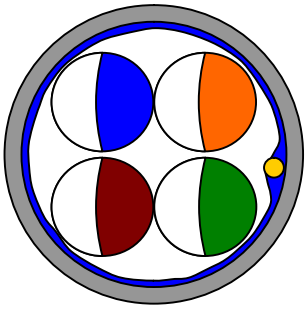
Giga Category 5e F/UTP LSZH Cable

Features



Characteristics and advantages

- Cat5e F/UTP 4 Pair cable
- ISO11801 Edition 2.0 & IEEE 802.3at & UL444 & TIA/EIA–568-C.2
- Generic cabling systems. Including 10Base-T, 100Base–T, 1000Base-T, ATM 10G & Token Ring, IEEE 802.3 af (PoE), IEEE 802.3 at (PoE+)

Specifications

Construction

Conductor	24AWG Soft Plain Copper (0.51+/-0.01mm)
Insulation	HDPE
Colour Code	White/ Blue -Blue, White/ Orange -Orange, White/ Green -Green, White/ Brown -Brown
Overall Diameter	Nominal Diameter: 6.0± 0.3 mm ; thickness: 0.50±0.05mm
Rip Cord	Nil
Shield	PET tape and AL-Foil shield with Tinned copper drain wire(0.40mm)

Mechanical Characteristics

Storage Temperature Range	-10°C To +55°C
Installation Temperature Range	0°C To +50°C
Operating Temperature Range:	-10°C To +55°C
Nominal Weight	42 KG/KM
Max. Recommended Pulling	100N

Giga Category 5e F/UTP LSZH Cable

Environmental properties and Fire Performances

Fire Performance	IEC60332-1-2, IEC60332-3-22,
Smoke density	IEC 61034-1&-2
Halogen acid gas emission	IEC 60754-1&-2

Low Frequency and DC (at 20°C)

D.C. resistance conductor	≤9.8Ω/100m
Resistance unbalance:	<2 %
Insulation resistance	≥ 5000 MΩ.km
Voltage Rating	300V
Mutual capacitance	< 5.6 nF/100M
Capacitance unbalance	< 160 pF/100m
Nominal velocity of propagation	65%
Installation Bend Radius(Min)	≥8*OD
Operation Bend Radius(min)	≥4*OD
Characteristic Impedance (Ohms)	100 ± 15
Delay Skew	≤ 45ns

Electrical Performance

Transmission Frequency (MH_Z)	1	4	8	10	16	20	25	31.25	62.5	100
NEXTA dB/100m	65.3	56.3	51.8	50.3	47.2	45.8	44.3	42.9	38.4	35.3
Characteristic Impedance	100±15									
Attenuation dB/100m	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0
Return Loss dB/100m	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1
PSNEXTA dB/100m	62.3	53.3	48.8	47.3	44.2	42.8	41.3	39.9	35.4	32.3
ACR-F dB/100m	63.8	51.8	45.7	43.8	39.7	37.8	35.8	33.9	27.9	23.8
PS ACR-F dB/100m	60.8	48.8	42.7	40.8	36.7	34.8	32.8	30.9	24.9	20.8
Delay ns/100m	570	552	547	545	543	542	541	540	539	538
Skew ns/100m	45									

Giga Category 5e F/UTP LSZH Cable

Cable length	500meter/Reel standard

Ordering Information

Number	Description
R3719010	CAT5E, F/UTP, Horizontal Cable, LSZH, 500m Reel