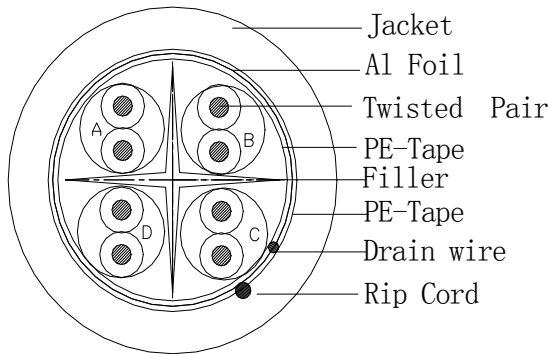


4X2X0.57

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DATE:2017.05.23

Cross Section



Marking

Per request

Description

Temperature range:
 Installation Temp Range: -20°C To +75°C
 Storage Temp Range: -20°C To +75°C
 Operating Temp Range: -20°C To +75°C
Application
 Networking Horizontal Cable, HDBaseT,
 100Base-T (Fast Ethernet), 10Base-T (Ethernet), ANYLAN
Reference Standard
 UL Subject 444, EIA/TIA568 & ISO/IEC 11801

Construction

Conductor	Solid Bare Copper
AWG	23
Conductor Dia. (±0.05mmmm)	0.57
Insulation	PE
Average Thickness(mm)	0.255
Min. Point Thickness(mm)	0.235
Insulation Dia.(±0.01mm)	1.08
Twisted Pair Dia.(±0.02mm)	2.16
Filler	PE
PE-Tape(mm)	Yes
Drain wire (CCA) Dia.(±0.003mm)	0.40
Al Foil Shield(mm)	Yes
Assembly Dia.(±0.2mm)	6.2
Jacket	LSZH
Average Thickness(mm)	0.60
Min. Point Thickness(mm)	0.55
Outer Dia.(±0.1mm)	7.20
Rip Cord	Nylon

Color

Insulation colors are:

Blue, White/Blue
 Orange, White/Orange
 Green, White/Green
 Brown, White/Brown

Jacket colors:

Per request

Performance

Electrical Characteristics:

Frequency (MHz)	Return loss (Min dB)	Attenuation Max	NEXT (Min dB)
1	20.0	1.8	74.3
4	23.0	3.7	65.3
8	24.5	5.3	60.8
16	25.0	7.5	56.3
20	25.0	8.4	54.8
62.5	21.5	15.4	47.4
100	20.1	19.8	44.3
200	18.0	29.0	39.8
250	17.3	32.8	38.3

Frequency (MHz)	PSNEXT Min (dB)	ELFEXT Min (dB/100m)	PSELFEXT Min (dB/100m)	Delay Max (ns/100m)
1	72.3	67.8	64.8	570.0
4	63.3	55.7	52.7	552.0
8	58.8	49.7	46.7	546.7
16	54.3	43.7	40.7	543.0
20	52.8	41.7	38.7	542.0
62.5	45.4	31.8	28.8	538.6
100	42.3	27.8	24.8	537.6
200	37.8	21.7	18.7	536.5
250	36.3	19.8	16.8	536.3

1.0-250.0MHz Impedance (ohms)	100 ± 15
1.0-250.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	3300
Max. Conductor DC Resistance 20°C (ohms/km)	68
Resistance Unbalance (%)	<=5

Mechanical Characteristics:

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend(-20±2°Cx4hrs)	No crack