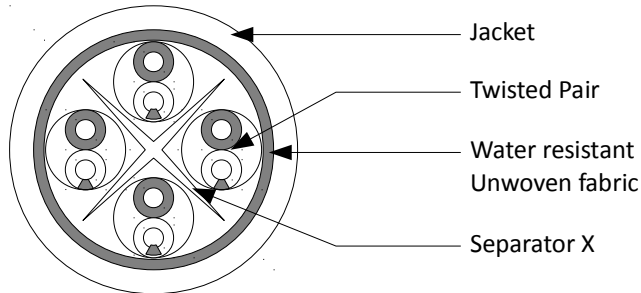


Construction Detail



Twisted Pair & Insulation Colours

P1	Blue	&	White/Blue
P2	Orange	&	White/Orange
P3	Green	&	White/Green
P4	Brown	&	White/Brown
Jacket:	Non-brightness Black		

Description

High-performance 550MHz cable for high bandwidth applications

Applications	Voice, data, video distribution, security
Ethernet	10BASE-T, 100BASE-TX, 1000BASE-T
Rated Temperature (°C)	75
Product Standard Certification	C(UL)CMG or (UL)CL3
Flame Test	FT4
Reference Standard	UL 444 & UL13

Performance Characteristics

Electrical (20°C)

Max. Conductor DC Resistance (Ω /km)	94
Min. Insulation Resistance (Ω -km)	100M
Dielectric Strength (AC V/1 Min)	500
DC Resistance Unbalance	Max. 5%
Pair-to-Ground Capacitance Unbalance	Max. 330pF/100M
Propagation Delay Skew [1-250MHz]	Max. 45ns/100M
Characteristic Impedance ($\pm 15\Omega$)	100

Mechanical

Jacket	PVC
Before Tensile Strength (kgf/mm ²)	≥ 1.05

Physical Construction

Conductor	4 pairs solid copper
Size (AWG)	23
Construction (± 0.01 mm)	1/0.575
Solid Dia. (± 0.01 mm)	0.575
Insulation	HD PE
Average Thickness (mm)	0.22
Insulation dia. (± 0.05 mm)	1.03
Jacket	PVC
Average Thickness (± 0.05 mm)	0.76
Outer Dia. (± 0.2 mm)	6.8
Miscellaneous	
Separator X (mm)	PE 0.35x3.8
Shield	Water resistant, unwoven fabric

Environmental Characteristics

Installation Temperature	0°C ~+ 75°C
Operation Temperature	0°C ~+ 75°C
Storage Temperature	-10°C ~+ 75°C

Jacket Marking

Legend: [WXYZ]FT => Length in Spool (e.g., 0100ft)

E128143-A (UL) TYPE CL3 75C OR E132276-A C(UL) TYPE CMG 75C FT4 DIRECT BURIAL [WXYZ]FT