

-GENESIS-

Riser Rated Networking/Ethernet Cable Part Number: 5178

4 Overall Shielded Twisted Pair (F/UTP) Category 5e

Ratings Approvals CMR, FT4, Sunlight Resistant
UL Listed, UL Verified

Construction

Conductor	24 AWG Solid Bare Copper	Color Code	Pair
Conductor Count	8 (4 pairs)	Blue & White/Blue	1
Insulation	HDPE or PP	Orange & White/Orange	2
Shielding	Overall Foil Shield	Green & Green/White	3
Rip Cord	Yes	Brown & Brown/White	4
Jacket	PVC		
Overall Diameter	0.250" nom.		
Print Legend	GENESIS P/N 5178 SHIELDED 4PR24 CAT 5E E175104-1 (UL) CMR C(UL)US FT4 SUN RES 75C (RoHS) UL VERIFIED TO TIA-568-C.2 CAT 5E XXXXXXXX YYYYFT RM# A B C D E F 1 2 3 4 5 6 7 8 9		

Properties

Temperature -20°C to 75°C
Operating Voltage 300V max.
RoHS Compliant Yes

Velocity of Propagation 69% nominal

DC Resistance 9.38 Ohms/100m max. @ 20°C
Resistance Unbalance 5% max. @ 20°C
Capacitance 5.6 nF/100m max. @ 20°C
Capacitance Unbalance 330 pF/100m max. @ 20°C
Propagation Delay 570 ns/100m max. @ 20°C
Delay Skew 45 ns/100m max. @ 20°C

Frequency (MHz)	Insertion Loss Maximum (dB/100m)	NEXT Minimum (dB/100m)	PSNEXT Minimum (dB/100m)	Return Loss Minimum (dB/100m)
1	2.0	65.3	62.3	20.0
4	4.1	56.3	53.3	23.0
8	5.8	51.8	48.8	24.5
10	6.5	50.3	47.3	25.0
16	8.2	47.2	44.2	25.0
20	9.3	45.8	42.8	25.0
25	10.4	44.3	41.3	24.3
31.25	11.7	42.9	39.9	23.6
62.5	17.0	38.4	35.4	21.5
100	22.0	35.3	32.3	20.1
155	28.1	32.4	29.4	18.8
200	32.4	30.8	27.8	18.0
250	36.9	29.3	26.3	17.3
300	41.0	28.1	25.1	16.8
350	44.9	27.1	24.1	16.3

UL Verified to TIA/EIA-568-C.2 Cat 5e. Sweep tested to 350 MHz

Country of Origin Vietnam