

Category 5e 350 MHz UTP Cable

U5350-004-xxxx



Description

- Supports Fast Ethernet, Gigabit Ethernet, 155 Mbps ATM, Multimedia
- Simplified structured cabling solution preserves long-term network investment
- Every master reel is tested for electrical performance compliance
- Dual length marking in feet and meters from 1000 ft (305 m) to 0 ft (0 m)
- Lightweight, easy-pull Reelex packaging eases installation
- RoHS-compliant



Application

- Horizontal Distribution and Backbone Cabling
- 155 Mbps ATM, 100 Mbps TP-PMD
- 10/100/1000 BASE-T (IEEE 802.3)
- ISDN, ADSL

Part Numbers

Jacket Color	Description	
	Enhanced Category 5e UTP Cable, 4-Pair, Riser Rated	Enhanced Category 5e UTP Cable, 4-Pair, Plenum Rated
Black	U5350-004-RBK2	U5350-004-PBK2
Blue	U5350-004-RBL2	U5350-004-PBL2
Dark Blue	U5350-004-RDB2	-
Green	U5350-004-RGN2	U5350-004-PGN2
Grey	U5350-004-RGY2	U5350-004-PGY2
Red	U5350-004-RRD2	U5350-004-PRD2
Violet	U5350-004-RVI2	U5350-004-PVI2
White	U5350-004-RWH2	U5350-004-PWH2
Yellow	U5350-004-RYL2	U5350-004-PYL2

Performance Characteristics

Meet or exceed TIA-568-C.2 Category 5e requirements

Frequency (MHz)	Return Loss (RL) Minimum dB/100 m				Insertion Loss (Attenuation) Maximum dB/100 m			
	TIA-568-C.2 Standard	Guaranteed	U5350-R Typical	U5350-P Typical	TIA-568-C.2 Standard	Guaranteed	U5350-R Typical	U5350-P Typical
1	20.0	20.0	24.0	25.0	2.0	2.0	1.8	1.7
4	23.0	23.0	28.0	29.0	4.1	4.1	3.6	3.7
10	25.0	25.0	30.0	31.0	6.5	6.5	6.0	5.8
16	25.0	25.0	30.0	31.0	8.2	8.2	7.6	7.4
20	25.0	25.0	30.0	31.0	9.3	9.3	8.8	8.6
31.25	23.6	23.6	29.0	30.0	11.7	11.7	11.0	10.8
62.5	21.5	21.5	27.0	28.0	17.0	17.0	16.2	15.9
100	20.1	20.1	26.0	27.0	22.0	22.0	20.5	20.5
200		18.0	24.0	25.0		32.4	30.6	30.5
300		16.8	22.0	23.0		41.0	38.0	38.0
350		16.3	22.0	23.0		44.9	40.0	40.0

Frequency (MHz)	Near End Cross Talk (NEXT) Minimum dB/100 m				Equal Level Far End Cross Talk (ELFEXT) Minimum dB/100 m			
	TIA-568-C.2 Standard	Guaranteed	U5350-R Typical	U5350-P Typical	TIA-568-C.2 Standard	Guaranteed	U5350-R Typical	U5350-P Typical
1	65.3	65.3	70.0	72.0	63.8	63.8	70.0	72.0
4	56.3	56.3	63.0	65.0	51.8	51.8	65.0	67.0
10	50.3	50.3	56.0	58.0	43.8	43.8	55.0	57.0
16	47.2	47.2	53.0	55.0	39.7	39.7	50.0	52.0
20	45.8	45.8	52.0	54.0	37.8	37.8	48.0	50.0
31.25	42.9	42.9	50.0	52.0	33.9	33.9	45.0	47.0
62.5	38.4	38.4	47.0	49.0	27.9	27.9	42.0	44.0
100	35.3	35.3	45.0	47.0	23.8	23.8	40.0	42.0
200		30.8	42.0	44.0		17.8	38.0	40.0
300		25.1	38.0	40.0		14.3	35.0	37.0
350		24.1	37.0	39.0		12.9	32.0	34.0

Technical Details

Item	Unit	Riser	Plenum
Conductor DC Resistance	Ohms/100 m	9.38	9.38
Resistance Unbalance	%	5	5
Mutual Capacitance	nF/100 m	5.6	5.6
Capacitance Unbalance	pF/100 m	330	330
Characteristic Impedance	Ohms	100 ± 15%	100 ± 15%
Propagation Delay	ns/100 m	536 @ 350 MHz	536 @ 350 MHz
Delay Skew	ns	45	45
Nominal Velocity of Propagation	%	67	70
Operating Temperature	°F (°C)	-4 to +140 (-20 to +60)	-4 to +140 (-20 to +60)
Storage Temperature	°F (°C)	-4 to +176 (-20 to +80)	-4 to +176 (-20 to +80)
Bending Radius		4 x Cable diameter	4 x Cable diameter
Packaging:	Type	1 kft (305 m)	Reelex II
	Weight	lb/kft (kg/km)	17 (25)
	Packages Per Pallet		36
Materials:	Conductors		24 AWG, Solid copper
	Insulation	in (mm)	0.035 (0.90) ϕ, HDPE
	Jacket	in (mm)	0.193 (4.9) ϕ, PVC
Approvals:	Safety		UL 444, UL 1666
	Performance		ANSI/TIA-568-C.2 "Balanced Twisted-Pair Telecommunications Cabling and Components Standards"