

**PRODUCT SPECIFICATIONS**  
RISER CAT6 U/UTP ETL LISTED 550 MHz

COMPLIANCE	
RoHS	c(ETL)us Listed ETL Verified
CERTIFICATIONS	
TIA 568-C.2 Category 6	ISO/IEC 11801
PHYSICAL SPECIFICATIONS	
Cable Construction	23 AWG U/UTP x 4P
Conductor Material	Solid Bare Copper
Insulating Material Type	PE
Insulation Diameter	0.98 ± 0.05 mm
Number of Insulations	4 Pair
<b>PAIR COLORS</b>	P1 White- Blue/ Blue
	P2 White- Orange/ Orange
	P3 White- Green/ Green
	P4 White- Brown/ Brown
Cross Filler	Yes
Jacket Material	FRPVC
Jacket Diameter	5.8 ± 0.2 mm
Jacket Thickness	0.5 mm
Jacket Flame Rate	ETL CMR
Rip Cord	Yes

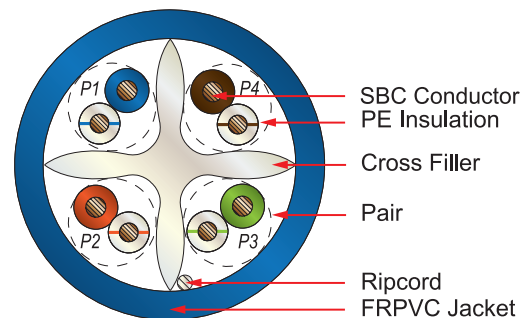
MECHANICAL CHARACTERISTICS (20° C)	
Insulation Elongation At Break	≥ 300%
Jacket Elongation At Break	≥ 125%

ELECTRICAL CHARACTERISTICS (20° C)	
Impedance (4~250 MHz)	100±15 Ω
Overall Temp. Rating	75° C
Single Conductor Resistance	≤ 9.5Ω/100m
Pair DC Resistance Unbalance	≤ 2.5%
Insulation Resistance	≥5000MΩ*Km
Dielectric Strength Between Conductors	DC 1kV 1 min
Mutual Capacitance	≤5.6nF/100m
Minimum Delay Skew	≤45ns/100m

NOMINAL TRANSMISSION CHARACTERISTICS				
FREQUENCY (MHz)	ATTENUATION (dB/100m)	NEXT (dB)	EL-FEXT (dB)	RETURN LOSS (dB)
4	3.8	65.3	55.8	23.0
8	5.3	60.8	49.7	24.5
10	6.0	59.3	47.8	25.0
16	7.6	56.2	43.7	25.0
20	8.5	54.8	41.8	25.0
25	9.5	53.3	39.8	24.3
31.25	10.7	51.9	37.9	23.6
62.5	15.4	47.4	31.9	21.5
100	19.8	44.3	27.8	20.1
200	29.0	39.8	21.8	18.0
250	32.8	38.3	19.8	17.3
300	36.4	38.1	18.5	17.3
350	39.8	37.1	17.1	17.3
400	43.0	36.3	16.0	17.3
450	46.0	35.5	14.9	17.3
500	48.9	34.8	14.0	17.3
550	51.8	34.2	13.2	17.3

NOTE: The above transmission performance for the 100M, 20±2° C under the conditions tested

ITEM #	JACKET TYPE	AVAILABLE COLOR	AVAILABLE PUT-UPS
XBW6U-04942	ETL CMR	Black	1000 ft. Pull Box
XBW6U-03600	ETL CMR	Blue	1000 ft. Pull Box
XBW6U-04943	ETL CMR	Gray	1000 ft. Pull Box
XBW6U-04944	ETL CMR	Yellow	1000 ft. Pull Box
XBW6U-03601	ETL CMR	White	1000 ft. Pull Box



CABLE MARKING	
23 AWG 4P CAT6 UTP 75° C TYPE CMR FT4	0000FT USED / 1000FT REMAINING
C(ETL)US	ETL LISTED AND ETL VERIFIED TO TIA-568-C.2 CATEGORY 6

NOTE: TECHNICAL SPECS AND IMAGES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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