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REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE	3/11/14	D.FRISIELLO

Design Specification Category 6 Plenum UTP

Construction:

- * Conductors: 23 AWG Solid Bare Copper per ASTM B-3
- * Insulation: Fluoropolymer
- * Pair Assembly: Color Coded Conductors twisted to varying lays
- * Cable Assembly: 4 Pairs cabled to form a round core
- * Jacket: Color Coded Plenum PVC
Nominal OD = .190"
- * Ripcord: Ripcord provided under jacket
(Increasing/Decreasing Footage Markers Provided)

Compliance:

- * ETL Verified ANSI/TIA-568-C.2 Cat 6
- * UL Subject 444 Communications Cables
- * UL Listed type CMP
- * NFPA 262 Plenum Flame Test (UL910)
- * NEC Article 800
- * c(UL) Type CMP
- * ICEA S-102-700
- * California State Fire Marshal
- * RoHS Compliant

Features:

- * Superior 4 pair balance for increased margins
- * Low skew and Propagation delay
- * Small compact round design
- * Extended Bandwidth (increased Headroom)
- * Excellent Cross Talk characteristics
- * Custom Print legends, Put-up's and Special colors per request

Common Applications:

- * Gigabit Ethernet (1000Base-T)
- * Multimedia & ISDN
- * High speed Voice/Data applications
- * 1.2 Gbps Ethernet
- * Broadband Video
- * Desktop Publishing
- * Video Conferencing/Imaging


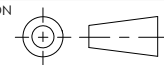
Category 6 Electricals

(per ANSI/TIA 568-C.2)

	Char. Impedance	Return Loss	Attenuation	NEXT	PSNEXT	ACRF	PSACRF
Freq. (MHz.)	(Ohms)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
	(+/-15)	(Min)	(Max)	(Min)	(Min)	(Min)	(Min)
1	100	20	2	74.3	72.3	67.8	64.8
4	100	23	3.8	65.3	63.3	55.7	52.7
8	100	24.5	5.3	60.8	58.8	49.7	46.7
10	100	25	6	59.3	57.3	47.8	44.8
16	100	25	7.6	56.3	54.3	43.7	40.7
20	100	25	8.5	54.8	52.8	41.7	38.7
25	100	24.3	9.5	53.3	51.3	39.8	36.8
31.25	100	23.6	10.7	51.9	49.9	37.9	34.9
62.5	100	21.5	15.4	47.4	45.4	31.8	28.8
100	100	20.1	19.8	44.3	42.3	27.8	24.8
125	100	19.4	22.4	42.9	40.9	25.8	22.8
155.52	100	18.8	25.2	41.4	39.4	23.9	20.9
175	100	18.4	26.9	40.7	38.7	22.9	19.9
200	100	18	29	39.8	37.8	21.7	18.7
250	100	17.3	32.8	38.3	36.3	19.8	16.8
ACR (min) @ 100 MHz = 24.1dB/100m				Mutual Cap. = 14pf/ft		DC Res. = 7.1 Ω/100m	
ACR (min) @ 200 MHz = 10.0 dB/100m				Operating Temperature: -10c to 75c			
Nominal Velocity of Propagation (NVP) = 70%				Propagation Delay Skew: 45 ns/100m (max)			

Part#	Color
34481	Yellow

(Information Subject to change without notice)

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm] OVERALL CABLE LENGTH TOLERANCE: ≤12 [305] = +1 [25] / -0 >12 [305] - 60 [1524] = +2 [51] / -0 >60 [1524] - 120 [3048] = +4 [102] / -0 >120 [3048] - 300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0% ALL OTHER DIMENSIONAL TOLERANCES: .X = .2 [5.08] .XX = .02 [51] .XXX = .005 [13]	APPROVALS DRAWN BY D.FRISIELLO CHECKED BY D.GUTTADAURO APPROVED BY D.GALLAGHER	DATE 3/11/14 3/11/14 3/11/14	 45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845
	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		
PROJECTION 	COLOR VARIATIONS MAY OCCUR		PRODUCT DESCRIPTION C6 UTP 4PR/23 SLD YLW PLN
	SIZE A	FSCM NO. 43321	DWG. NO. TPC4481
	SCALE: 1:1	CAD FILE: TPC4481.SLDRW	REV. A SHEET 1 OF 1