

Draka Pre-Terminate Copper Cable Assembly

CATEGORY 6 Pre-Terminate Trunk Cable



Features

Draka UC Pre-Terminated cable assemblies are the ideal solution for data centers where speed of installation is important. Factory termination and testing simplify installation, saving time and labor as compared to field terminated installation reduce installation time by up to 75%. Configured pre-terminate custom lengths with RJ-45 modular jack to RJ-45 modular jack, RJ-45 modular Jack to RJ-45 modular Plug, or RJ-45 modular jack to open end cable are flexible to meet the specific needs of each application. A braided sleeve bundles individual cables into a bundle trunk assembly

Application

Generic cabling systems
 Permanent Link Horizontal connection between rack
 IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
 IEEE 802.5 16 MB; ISDN; TPDDI; ATM 155Mb/s, ATM 622Mb/s, ATM 1.2Gb/s
 IEEE 802.3af (PoE); IEEE 802.3at (PoE+), IEEE 802.3bt (4PPoE)

Standards

ANSI EIA/TIA 568-2.D | TIA 942-B | ISO/IEC 11801 (1-6):2017 | IEC 61156-5 2nd Ed | EN 50173-1 | EN 50288

Construction

Conductor	Solid Copper, 23AWG
Insulation	Polyethylene , Nom. Ø 0.98 mm
Twisting	2 cores to be a pair
Cable Lay up	4 pairs to the core non-metallic cross separator, T568-B Wiring
Sheath/Colour	PVC or LSZH: GREY (RAL7035), BLUE (RAL5012) Thickness: 0.5 ± 0.05mm
Cable OD	Nom. Ø 6.0 ±0.3mm
Cable Bundle OD	6 port Pre-terminate link in one bundle, diameter Nom. Ø 8.5mm

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Mechanical Properties

Bending Radius	With Load	$\geq 8 \times \text{O.D}$
	No Load	$\geq 4 \times \text{O.D}$
Temperature range	During operation	-20°C to +60°C
	During installation	0°C to +50°C
Maximum Pulling Force	During installation	100N

Electrical Properties

Characteristic Impedance	1-100 MHz	$100 \pm 15 \Omega$
	101-250 MHz	$100 \pm 22 \Omega$
DC Loop Resistance		$\leq 187.6 \Omega/\text{km}$
DC Resistance Unbalance		$\leq 5\%$
Mutual Capacitance (@1 kHz)		$\leq 5.6 \text{ nF}/100\text{m}$
Capacitance Unbalance	Pair to ground	$\leq 330 \text{ pF}/100\text{m}$
Velocity of Propagation		Nom. 65%
Propagation Delay (@250 MHz)		$\leq 536.0 \text{ ns}/100\text{m}$
Delay Skew		$\leq 45 \text{ ns}/100\text{m}$

Performance Characteristics

Meet or Exceed TIA/EIA-568-2.D Category 6 and ISO/IEC 11801 Class E

Freq. (MHz)	Max. Attenuation (dB)	Min. NEXT (dB)	Min. PS-NEXT (dB)	Min. ACR-F (dB)	Min. PS-ACRF (dB)	Min. RL (dB)
1.0	2.0	74.3	72.3	67.8	64.8	20.0
4.0	3.8	65.3	63.3	55.8	52.8	23.0
16.0	7.6	56.2	54.2	43.7	40.7	25.0
25.0	9.5	53.3	51.3	39.8	36.8	24.3
62.5	15.4	47.7	45.7	31.9	28.9	21.5
100.0	19.8	44.3	42.3	27.8	24.8	20.1
200.0	29.0	39.8	37.8	21.8	18.8	18.0
250.0	32.8	38.3	36.3	19.8	16.8	17.3

Note1: All tests include 401 points swept frequency measurements

Note2: All electrical characteristics are given at 20°C

Note3: All above stated values are nominal and subject to changes

Note4: Transmission performance based on 100 m (328 ft)

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Fire Rating Performance

PVC IEC 60332-1
 LSZH IEC 60332-1; IEC 60754-1 & -2; IEC 61034

Compliant

RoHS Compliant | IEC 60603-7 | IEC 60512 | FCC Part 68 SUBPART F

Ordering Information

UC P/N	Description	Packaging
P60088GY-XXYYMM	UC 400 Pre-Terminate Cat 6 U/UTP 23 AWG, PVC, Gray, MM meter	1 / bag
P60088BL-XXYYMM	UC 400 Pre-Terminate Cat 6 U/UTP 23 AWG, PVC, Blue, MM meter	1 / bag
P60075GY-XXYYMM	UC 400 Pre-Terminate Cat 6 U/UTP 23 AWG, LSZH, Gray, MM meter	1 / bag
P60075BL-XXYYMM	UC 400 Pre-Terminate Cat 6 U/UTP 23 AWG, LSZH, Blue, MM meter	1 / bag

Note: XX - Number of port 06 = 6 port, 12 = 12 port
 YY - Connector Type JJ = Jack to Jack
 JO = Jack to Open Cable
 OO = Open to Open
 MM - Length 05 = 5m, 10 = 10m, 35 = 35m

Enquiries

Please contact our local sales office or mms.asia@prysmiangroup.com

Multimedia Solutions is the data communication portfolio of Prysmian Group and comprises all the necessary portfolio of cable solutions for data communication. Ask about UC CONNECT for a complete Structure Cabling Solutions with 25 Years System Warranty. Visit www.DrakaUC.com for more information.

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