



Q-Series Cat6A Reduced Diameter Unshielded Ethernet Network Patch Cable

The Cat6a Snagless Unshielded (UTP) Slim 28AWG Network Patch Cord is the perfect solution for high density and top of rack data center applications. The use of 28AWG conductors allows for a 23% reduction in diameter over a standard Cat6a network patch cable. This reduced diameter provides a smaller cable surface area which allows for increased airflow when compared to standard Cat6a cables. The 28AWG conductors also allow this cable to have a smaller bend radius than standard Cat6a cables. The small size and small bend radius of this cable makes it easy to route through cable management panels.

This cable is designed for Ethernet networks that require bandwidth-intensive voice, data, or video distribution applications. Constructed from high quality copper cable, this design minimizes Near-End Crosstalk (NEXT) levels. The snagless boot prevents unwanted cable snags during installation and provides extra strain relief. Available in a variety of colors to easily color-code your network installation.

Features

- 28AWG conductors allow for greater flexibility
- Snagless boot prevent cable snags
- Variety of colors and lengths
- 10Gbps data speeds up to 328ft

ELECTRICAL		CONDUCTOR (4PAIR)	
Conductor DC Resistance	68.2 OHMS/1000ft.	Conductor	28AWG, 7/36 stranded tinned copper
Impedance	100Ω	Insulation	HD-PE 0.008in. nom. wall thickness
Capacitance	13.5 PF/FT at 1MHz	Twist Pair	Orange, White/Orange, Blue, White/Blue, Green, White/Green, Brown, White/Brown
PHYSICAL CHARACTERISTICS		Shield	Aluminum foil shield (100% coverage) over the cable core and includes a 28AWG stranded tinned drain wire along the outer surface
Cable Diameter	.186in. nom	CONNECTORS (QTY 2)	
Wiring Scheme	T568B	Connector Type	8P8C (RJ45)
Jacket	Polyvinylchloride, .020in. nom wall	Gender	Male
Temperature Rating	20°C - 75°C	Contacts	Gold Plated 50μ
Maximum Voltage Rating	300V		
Approvals	CE		
Warranty	Lifetime		
Package Type	Polybag		

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BASE PN: 576A-RDXX-YYY

Ft.	Grey	Blue	Yellow	Green	White	Red	Black	Orange	Purple
1	576A-RD00-001	576A-RD10-001	576A-RD15-001	576A-RD20-001	576A-RD25-001	576A-RD30-001	576A-RD35-001	576A-RD40-001	576A-RD45-001
2	576A-RD00-002	576A-RD10-002	576A-RD15-002	576A-RD20-002	576A-RD25-002	576A-RD30-002	576A-RD35-002	576A-RD40-002	576A-RD45-002
3	576A-RD00-003	576A-RD10-003	576A-RD15-003	576A-RD20-003	576A-RD25-003	576A-RD30-003	576A-RD35-003	576A-RD40-003	576A-RD45-003
4	576A-RD00-004	576A-RD10-004	576A-RD15-004	576A-RD20-004	576A-RD25-004	576A-RD30-004	576A-RD35-004	576A-RD40-004	576A-RD45-004
5	576A-RD00-005	576A-RD10-005	576A-RD15-005	576A-RD20-005	576A-RD25-005	576A-RD30-005	576A-RD35-005	576A-RD40-005	576A-RD45-005
6	576A-RD00-006	576A-RD10-006	576A-RD15-006	576A-RD20-006	576A-RD25-006	576A-RD30-006	576A-RD35-006	576A-RD40-006	576A-RD45-006
7	576A-RD00-007	576A-RD10-007	576A-RD15-007	576A-RD20-007	576A-RD25-007	576A-RD30-007	576A-RD35-007	576A-RD40-007	576A-RD45-007
8	576A-RD00-008	576A-RD10-008	576A-RD15-008	576A-RD20-008	576A-RD25-008	576A-RD30-008	576A-RD35-008	576A-RD40-008	576A-RD45-008
9	576A-RD00-009	576A-RD10-009	576A-RD15-009	576A-RD20-009	576A-RD25-009	576A-RD30-009	576A-RD35-009	576A-RD40-009	576A-RD45-009
10	576A-RD00-010	576A-RD10-010	576A-RD15-010	576A-RD20-010	576A-RD25-010	576A-RD30-010	576A-RD35-010	576A-RD40-010	576A-RD45-010
15	576A-RD00-015	576A-RD10-015	576A-RD15-015	576A-RD20-015	576A-RD25-015	576A-RD30-015	576A-RD35-015	576A-RD40-015	576A-RD45-015
25	576A-RD00-025	576A-RD10-025	576A-RD15-025	576A-RD20-025	576A-RD25-025	576A-RD30-025	576A-RD35-025	576A-RD40-025	576A-RD45-025

Notes: This Patch cable does not meet the recommended conductor size, (22-26AWG), requirement of ANSI/TIA-568-C.2
 Maximum cable length recommendations: 96 Meter Channel (90 meters of horizontal cable and up to 6 meters of slim network patch cables).
 93 Meter Channel (83 meters of horizontal cable and up to 10 meters of slim network patch cables). For POE/POE+ applications limit bundles to no more than 40 cables, for POE++, limit cable bundles to no more than 20 cables, due to heat dissipation of these reduced diameter cables

