

Applications Assurance

When installed per TIA or ISO/IEC standards, a Panduit cabling system can support the following applications in accordance with the cable and connector performance.

Copper cabling

100BaseT	802.3u	Category 5e or higher
1000BaseT	802.3ab	Category 5e or higher
2.5GBaseT	802.3bz	Category 5e or higher
5GBaseT	802.3bz	Category 6 or higher
10GBaseT	802.3an	Category 6A
Wireless Access Point	802.11ac	
Power over Ethernet		
PoE	803.3af	Category 5e or higher
PoE+	802.3at	Category 5e or higher
PoE++	802.3bt	Category 6A recommended
HDBaseT (HD TV)		Category 6 or higher

Fiber Optic cabling

Designation	Fast Ethernet 100BASEFX	1Gigabit Ethernet 1000BASE-SX	1 Gigabit Ethernet 1000BASE-LX	10 Gigabit Ethernet 10GBASE	40 Gigabit Ethernet 40GBASE	100 Gigabit Ethernet 100GBASE
OM1*	2000 M	275 Meters	550 Meters	33 Meters	Not supported	Not supported
OM2*		550 Meters	550 Meters	82 Meters	Not Supported	Not supported
OM3		550 Meters	550 Meters	300 Meters	100 Meters	100 Meters
OM4		550 Meters	550 Meters	400 Meters	150 Meters	150 Meters
Singlemode		5 km at 1310 nm	5 km at 1310 nm	10 km at 1310 nm		