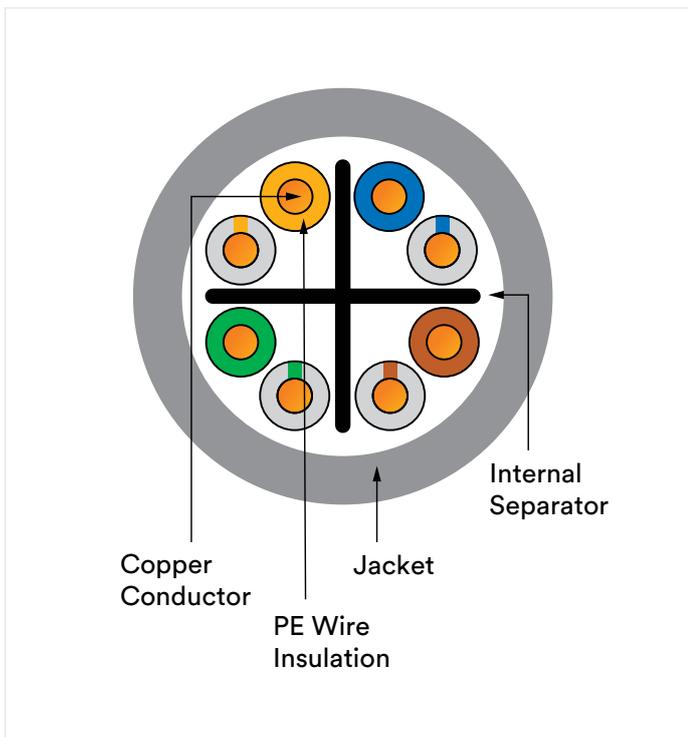


Copper Cable

Our four-pair copper cable is high performing and compliant with IEC 61156-5:2013 (ed. 2.1) and EN 50288-10-1: 2012. The Cat.6_A cable is U/UTP with an integral cross separator structure to enhance long-term performance and reduce crushing risk at cable anchorage points. This cable has a discontinuous foil tape wrapping, to minimise alien cross-talk (ANEXT) between cables. The cables are easy to install with sheath-length marking, providing convenient clearly identifiable cable and link lengths. The cable listed below is green. Other colours are available on request.



Copper Cable Specifications (Cat. 6 _A UUTP 24 AWG)	
Application	IEEE 802.3an: 1000BASE-T; 100BASE-TX; 10BASE-T IEEE 802.3af – PoE; IEEE 802.3at - PoE+ 10 Gigabit Ethernet
Typical properties	
Conductor diameter	AWG 24
Insulation diameter	Min: Pe 0.90 mm
Separator	Nonmetallic cross separator
Cable assemblies	1 x 4 pairs
Sheath Material	LSZH™ or PVC
Weight	Max: 33 kg/km
Mechanical features	
Cable outer diameter	Max: 5.7 mm
Bending radius	
Dynamic (installation):	8 x outer diameter
Static (installed):	4 x outer diameter
Temperature range:	
In service:	-20°C to +60°C
Installation/transport/storage	0°C to +50°C
Max. pulling tension	98N
Electrical features (@ 20°C ± 5°C)	
DC resistance (max)	9.5Ω/100 m @ 20°C
Resistance unbalance (max)	2% @ 20°C
Insulation resistance (500 V)	5000 MΩ.km @ 20°C
Mutual capacitance (nominal)	No requirement specified
Test voltage (DC, min)	1 kV/1 min
Capacitance unbalance max (pair to ground)	160 pF/100 m @ 1 kHz
NVP (nominal)	66%
Directive/Standard	
Cable	IEC 61156-5
Cabling system standard	ISO 11801 2. ed/EN 50173-1/TIA 568-C.2
Directive	
ROHS	2011/65/EU (RoHS2)
LVD	LVD 2006/95/EC
LSZH	
Smoke	EN/IEC 61034-2
Gas/toxicity	IEC 60754-2/IEC 60754-1

Copper Cable Ordering Information

Product Number	Description	CPR Rating	Colour	Length
UU009189521	Cat.6 _A UUTP LSZH 4 Pair 24AWG, VOL6UP4500	B2ca	Green	500 m
UU009161595	Cat.6 _A UUTP LSZH 4 Pairs 24AWG, VOL6UP4500	Cca	Green	500 m

Additional CPR classes, lengths, and colours of cable available upon request. Please consult your local Corning representative or alternatively Corning Customer Care at 00800 2676 4641 or email cc.emea@corning.com