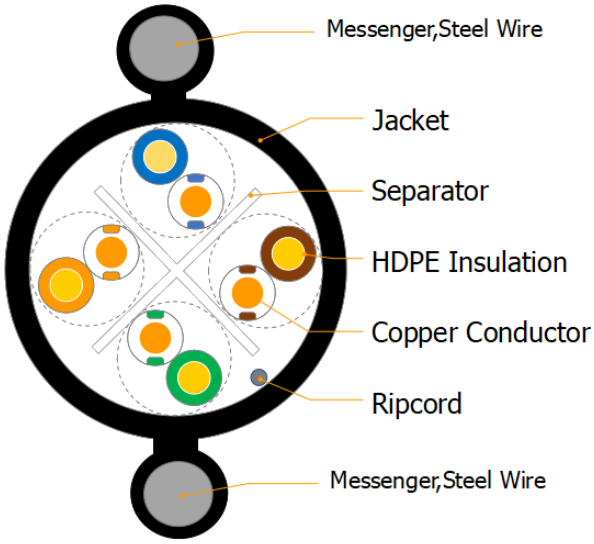
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SUPREME PERFORMANCE CABLES

Category 6 U/UTP Lift Cable with Double Messenger

Part Number: PRO-CAT6-LIFT



Application

Category 6 U/UTP cable, 23AWG, PVC sheath, 4 pairs. Designed as a future-ready network cabling solution while remaining backward compatible with current Ethernet requirements.

- 10BASE-T Ethernet
- 100BASE-T Fast Ethernet
- 1000BASE-T Gigabit Ethernet

Standards

ANSI/TIA-568.2-D
IEC 61156

Construction

Conductor Material	Solid Bare Copper
Conductor Diameter	23AWG / 0.55 mm
Insulation Material	HDPE
Insulation Diameter	0.98 mm
Rip Cord	210D
Separator	Yes
Sheath Material	Anti-UV PVC
Jacket Thickness	0.6 +/- 0.1 mm
Diameter Over Jacket	6.1 +/- 0.5 mm
Messenger Sheath Material	Anti-UV PVC
Messenger Jacket Thickness	0.65 +/- 0.2 mm
Messenger Diameter Over Jacket	2.8 +/- 1.0 mm

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Electrical Properties

Conductor Resistance (20 C)	<= 9.0 ohm/100 m
Electrical Resistance Unbalance (20 C)	<= 2.0%
Insulation Resistance	> 5000 MOhm.km
Pair-to-Ground Capacitance Unbalance	<= 160 pF/100 m @ 0.8 kHz or 1 kHz
Nominal Velocity of Propagation (NVP)	69%
Skew	45 ns/100 m
Maximum Operating Frequency	250 MHz

Transmission Properties

Fluke Test Compliance

Cable passes 100 m Channel test and 90 m Permanent Link test.

Mechanical Requirements

Maximum Pulling Tension	100 N
Minimum Laying Operation Bending Radius	8 times the outer cable diameter

Environmental Requirements

Operating Temperature Range	-20 C to +75 C
Storage Temperature Range	-10 C to +50 C
Installation Temperature Range	-5 C to +40 C
Flame Retardant	IEC 60332-1
Material Compliance	2011/65/EU (RoHS 2.0)

All values are based on the source technical specification and are subject to the manufacturer's tolerances.