

## Light Industrial Environments Industrial Ethernet Cable: Cat 6 23-4 Pair Solid Shielded



**L2-6-SOL-SHLD-02**

4 Pair 23 AWG solid bare copper conductors, polypropylene insulation, FRPE spline center member, inner PVC jacket, overall Shield (100% coverage), industrial grade sunlight and oil resistant. Gigabit Ethernet.

Physical Characteristics (Overall)	
<b>Conductor</b>	
<b># Pairs</b>	4
<b>AWG</b>	23
<b>Stranding</b>	Solid
<b>Material</b>	BC - Bare Copper
<b>Total # of Conductors</b>	8
<b>Ground Wire</b>	N
<b>Insulation</b>	
<b>Material</b>	PP - Polypropylene
<b>Wall Thickness</b>	.01 in.
<b>Diameter</b>	0.04 in.
<b>Inner Jacket</b>	
<b>Material</b>	PVC
<b>Nominal Wall Thickness</b>	0.02 in.
<b>Diameter</b>	0.27 in.
<b>Inner Jacket Ripcord:</b>	Yes

<b>Outer Shield</b>	
Type	Tape
Outer Shield Material	Aluminum Foil - Polyester Tape
Coverage	100%
<b>Outer Shield Drain Wire</b>	
AWG	23
Stranding	7x32
Drain Wire Conductor Material	TC - Tinned Copper
<b>Outer Jacket</b>	
Material	Industrial Grade PVC - Polyvinyl Chloride
Nominal Wall Thickness	0.030 in.
Nominal Diameter	0.33 in.
Outer Jacket Ripcord	No
<b>Overall Cable</b>	
Overall Cabling Material	X-Spline Center Member
Overall Nominal Diameter	0.33 in.
<b>Pair Color Code Chart</b>	
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe and Green
4	White/Brown Stripe and Brown
<b>Mechanical Characteristics (Overall)</b>	
Installation Temperature Range	-25°C To +75°C
Operating Temperature Range	-40°C To +75°C
UL Temperature Rating	75°C
Bulk Cable Weight	144 lbs.
Max. Recommended Pulling Tension	40 lbs.
Min. Bend Radius/Minor Axis	4 in.

<b>Applicable Specifications and Agency Compliance (Overall)</b>	
<b>Applicable Standards &amp; Environmental Programs</b>	
CEC/C(UL) Specification	CMR
NEC/(UL) Specification	CMR, CMX-Outdoor
AWM Specification	UL Style 21407
EU CE Mark	Yes
Other Standards	ISO/IEC 11801 ed 2.1 (2008) Class E
EU Directive 2011/65/EU (ROHS II)	Yes
EU Directive 2000/53/EC (ELV)	Yes
EU Directive 2002/95/EC (RoHS)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	10/9/2009
EU Directive 2002/96/EC (WEEE)	Yes
EU Directive 2003/11/EC (BFR)	Yes
CA Prop 65 (CJ for Wire & Cable)	Yes
MII Order #39 (China RoHS)	Yes
Telecommunication Standards	Category 6 - TIA 568.C.2
Other Specification	UL Verified to Category 6
<b>Flame Test</b>	
UL Flame Test	UL1666 Vertical Riser
C(UL) Flame Test	FT4
IEEE Flame Test	1202
<b>Suitability</b>	
Suitability - Outdoor	Yes
Suitability - Aerial	Yes
Suitability - Burial	No
Sunlight Resistance	Yes
Oil Resistance	Yes
<b>Plenum/Non-Plenum</b>	
Plenum (Y/N)	No