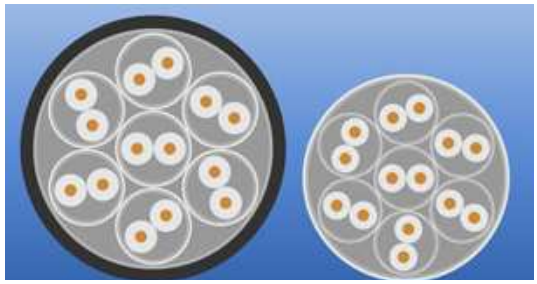
High Speed Cable

Shielded Twisted Controlled Impedance Wire

Summary

The twisted Controlled Impedance Wire is especially suited for mil/aero harness applications. Features and benefits include:



Standard Our Product

Comparison of Round cable

- Excellent signal integrity with stable performance in extreme conditions;
- High data rate transmission over long distance;
- All materials rated for temperature extremes;
- Non-flammable and non-outgas materials;
- Improved installation with small, high density cable bundles;
- Easy routing in confined space due to small diameter and tight mind bend radius;

Design

Two silver-plated conductors each insulated with wrapped PTFE over low density PTFE, Twisted and shielded with silver-plated copper braid wire with an overall FEP jacket.

Color Coding

The two insulated wires are white and blue.

Temperature Rating

-55°C to 150°C

Voltage Rating

500 Volts

Typical Applications

- Avionics electrics
- Digital video system;
- Ethernet networks;
- Series bus;
- Cabin management systems;

Control Impedance Twisted Shielded Pair

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Impedance Control

Standard impedance tolerance is ± 10ohms. Light speed can offer impedance control as tight as ± 2% over the entire cable length.

Shielded Twisted Controlled Impedance Wire Options				
P/N	Cable Construction	Diameter (mm)	Weight (g/m)	Impedance
Lsrc3001	30(7/38) HS alloy , SPC braid, FEP Jacket	2.3	7.3	100 Ω ± 10
Lsrc3002	30(7/38) HS alloy, SPC braid, FEP Jacket	2.6	9.3	120 Ω ± 10
Lsrc3003	28(19/40) HS alloy, SPC braid, FEP Jacket	2.4	9.5	100 Ω ± 10
Lsrc3004	28(19/40) HS alloy, SPC braid, FEP Jacket	2.8	11.5	120 Ω ± 10
Lsrc3005	26(19/38) SPC ,SPC braid, FEP Jacket	2.8	13.4	100 Ω ± 10
Lsrc3006	26(19/38) SPC, SPC braid, FEP Jacket	3.4	16.4	120 Ω ± 10
Lsrc3007	24(19/36) SPC, SPC braid, FEP Jacket	3.5	16.4	100 Ω ± 10
Lsrc3008	24 (19/36) SPC, SPC braid, FEP Jacket	4.1	19.7	120 Ω ± 10
Lsrc3009	22 (19/34) SPC, SPC braid, FEP Jacket	4.4	26.3	100 Ω ± 10
Lsrc3010	22 (19/34) SPC, SPC braid, FEP Jacket	4.8	32.1	120 Ω ± 10
Lsrc3101	30(7/38) HS alloy,AL/polyimide,SPC braid,FEP Jacket	2.4	8.9	100 Ω ± 10
Lsrc3102	30(7/38) HS alloy,AL/polyimide, SPC braid,FEP Jacket	2.7	10.6	120 Ω ± 10
Lsrc3103	28(19/40)HS alloy,AL/polyimide, SPC braid,FEP Jacket	2.8	14.8	100 Ω ± 10
Lsrc3104	28(19/40)HS alloy,AL/polyimide,SPC braid,FEP Jacket	3.0	16.2	120 Ω ± 10
Lsrc3105	26(19/38) SPC,AL/polyimide,SPC braid,FEP Jacket	3.2	16.0	100 Ω ± 10
Lsrc3106	26(19/38) SPC,AL/polyimide,SPC braid,FEP Jacket	3.8	26.4	120 Ω ± 10
Lsrc3107	24(19/38) SPC,AL/polyimide,SPC braid,FEP Jacket	3.8	31.8	100 Ω ± 10
Lsrc3108	24(19/38) SPC,AL/polyimide,SPC braid,FEP Jacket	4.6	36.3	120 Ω ± 10
Lsrc3109	22(19/38) SPC,AL/polyimide,SPC braid,FEP Jacket	4.8	39.6	100 Ω ± 10
Lsrc3110	22(19/38) SPC,AL/polyimide,SPC braid,FEP Jacket	5.6	46.8	120 Ω ± 10

Additional Options

- ✧ Custom color coding
- ✧ High strength alloy conductors