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1-800-Belden1



General Description:

22 AWG stranded (7x30) tinned copper conductors, Datalene® insulation, twisted pairs, overall Beldfoil® shield (100% coverage) plus a tinned copper braid (65% coverage), drain wire, UV resistant Haloarrest XLink2 jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	7x30	TC - Tinned Copper	0.762

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material
Datalene®	FHDPE - Foam High Density Polyethylene

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000
2		Braid	TC - Tinned Copper	65.000

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	7x30	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Haloarrest Xlink2

Overall Cable

Overall Nominal Diameter: 10.160 mm

Pair

Pair Color Code Chart:

Number	Color
1	White/Blue Stripe and Blue/White Stripe

Pair Lay Length & Direction:

Lay Length (mm)
95.250

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
Bulk Cable Weight:	162.214 Kg/Km
Max. Recommended Pulling Tension:	266.892 N
Min. Bend Radius/Minor Axis:	101.600 mm

3105Z Multi-Conductor - EIA Industrial RS-485 PLTC/CMG

Max. Recommended Current:

Current
2.7 Amps per conductor @ 25°C

Other Electrical Characteristic 1: Input Impedance/Unfitted Impedance .5 - 10 MHZ, 120 +/-12 Ohms

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3105Z 0105000	5,000 FT	545.000 LB	BLACK	C N	1 PR #22 FHDPE SH TSNH

Notes:
 C = CRATE REEL PUT-UP.
 N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

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