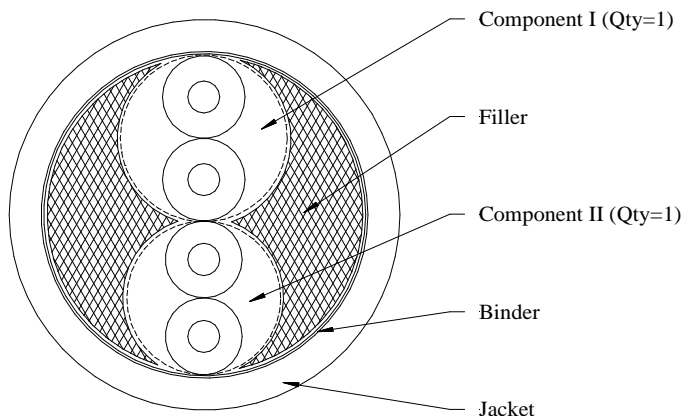


1 PAIR 18 AWG + 1 PAIR 18 AWG CABLE

CUSTOMER PROPRIETARY

THIS CONFIDENTIAL DOCUMENT HAS BEEN RELEASED WITH THE UNDERSTANDING THAT IT SHALL NOT BE SENT TO ANYONE OTHER THAN THE ORIGINAL INTENDED RECIPIENT WITHOUT PRIOR AUTHORIZATION FROM TE CONNECTIVITY / MADISON CABLE



CONSTRUCTION

Component I – Data Pair

Conductor: 18 AWG 16/30 Tin Plated Copper, 0.045 Inch Diameter
Insulation: 0.020 Inches of Linear Low Density Polyethylene, 0.085 Inch Diameter
Pair: 2 Insulated Conductors Twisted Together with a 2 Inch Maximum Left Hand Lay

Component II – Control/Power Pair

Conductor: 18 AWG 16/30 Tin Plated Copper, 0.045 Inch Diameter
Insulation: 0.016 Inches of XPbT, 0.077 Inch Diameter
Pair: 2 Insulated Conductors Twisted Together with a 2 Inch Maximum Left Hand Lay

Final Assembly

Core: 2 Pairs (#1-2) and Fibrillated Polypropylene Fillers Cabled Together with a 4 - 5 Inch Lay
Binder: Polyester Tape, 25% Overlap
Jacket: 0.026 Inches of Pressure-Extruded Polyurethane, Color – Black, Finish – Glossy
Diameter: 0.330 ± 0.010 Inches
Print Legend (White Ink): “>< 1 FT. #18-4 ><”
Footage Marking: Sequential footage marked every 12 Inches on jacket.

COLOR CODE

Component #	Conductor #1	Conductor #2
1	White	Green
2	Red	Black

ELECTRICAL CHARACTERISTICS

Component I – Data Pair

Differential Impedance: 120 Ohms Nominal @ 1 MHz
Mutual Capacitance: 13 pF/ft Nominal @ 1 kHz
Conductor DC Resistance: 6.8 Ohms/1000 ft Nominal @ 20°C

Component II – Control/Power Pair

Conductor DC Resistance: 6.8 Ohms/1000 ft Nominal @ 20°C

Voltage Rating: 600 Volts

PHYSICAL CHARACTERISTICS

Temperature Rating: -46°C to + 80°C

SAFETY CERTIFICATION

RoHS II Material Compliance: In accordance with EU Directive 2011/65/EU for the Restriction of Hazardous Substances



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REVISION HISTORY

1	02/03/09	DM	Initial Release
2	02/05/09	DM	Revised to 18 AWG Pairs, et. al.
3	04/29/09	DM	Added Component II, Revised Jkt Wall/OD
4	05/07/09	DM	Revised Component II insulation material
5	05/13/09	DM	Added Customer name and number
6	10/14/15	HA	Added Customer Proprietary Stamp

Spec Number: 101-8423
Part Number: 04ZJILF001
Customer: Trimble
Customer #: 6001-2222

Prepared By: H. Abusamra
Reviewed By: T. Grzysiewicz

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1 of 1

Users should evaluate the suitability of this product for their application. Contact factory for latest revision of specification. TE Connectivity reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to the Buyer.