

Å.	Product: <u>3077F</u> ☑
	Fieldbus, 1 Pr #22 Str TC, PP Ins, OS, PVC Jkt, Flexible, PLTC, ITC, CM
	🛱 Request Sample

Product Description

Fieldbus, 1 Pair 22AWG (7x30) Tinned Copper, PP Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, Flexible, PLTC, ITC, CM

Technical Specifications

Suitable Applications: harsh environment digital and serial two-way co automation, extreme temperature environments						o-way com
Conducto	r					
Element	Number of Ele	ment	AWG	Strandin	ng Mate	rial
Pair(s)	1		22	7x30	TC - Tinne	d Copper
Insulation						
Element	Material	1	Thickne	ess [in.]	Color Code	
Pair(s)	PP - Polypropy	lene (0.015	1	Blue & Orange	9

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.037 in	0.197 in
Cable Diameter (Nominal):	0.197 in	

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Shield	Max. Capacitance Unbalance	Characteristic Impedence	Max. Current	
Pair(s)	17.1 Ohm/1000ft	44 pF/ft	1.2 pF/ft	100 Ohm	2.5 Amps per Conductor	
Nom Outer Shield DCR: 11.4 Ohm/1000ft						

High Frequency (Nominal/Typical)

Element	Frequency [MHz]	Nom. Insertion Loss
Pair(s)	0.039 MHz	0.14 dB/100ft

High Freq

Max. Insertion Loss (Attenuation)	Max./Min. Input Impedance (unFitted)
0.152 dB/100ft	100 Ohm

Voltage

UL Voltage Rating 300 V (CM, PLTC), 150 V (ITC)

Temperature

 UL Rating
 Operating

 105°C
 -30°C to +105°C

Bend Radius

Stationary Min.

Max. Pull Tension: 27 lbs Bulk Cable Weight: 18 lbs/1000ft Environmental Sunlight Resistance Suitability: Flammability / Fire UL1685 UL Loading, IEC 60332-1-2 Resistance: NEC / UL Compliance: Article 725, Article 727, Article 800, CM, ITC, PLTC CEC / C(UL) CM Compliance: CPR Euroclass: Eca European Directive EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) Compliance: APAC Compliance: China RoHS II (GB/T 26572-2011) Notes: CPE & LSOH Jacket optional. Update and Revision: Revision Number: 0.366 Revision Date: 08-25-2020

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