

## Product datasheet

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date 14/02/01

# 3079E



### Description

22 AWG (7\*30) Bare copper, Cellular Polyethylene insulated 1 pair cable, Aluminum-Polyester shield with L-fold, 65% tinned copper braid, Purple PVC jacket.

### Dimensions

Nom. insulation Thickness	0.9	mm
Nom. diameter over insulation	2.5	mm
Nom. Jacket thickness	1.1	mm
Nom. outer diameter	8.0	mm

### Electrical characteristics

Max. operating voltage	300	V Rms
Max. Continuous current per conductor @ 25 deg. C	2	A
Nom. Capacitance between conductors of a pair @ 1	29	nF/km
Nom. capacitance conductor to shield @ 1 kHz	49	nF/km
Nom. Conductor DC resistance @ 20 Deg. C	52.2	Ohm/km
Nom. Shield DC resistance @ 20 Deg. C	12.8	Ohm/km
Velocity of propagation	78	%
Nom. Impedance @ 1 MHz	150	Ohm
Nom. Attenuation		dB/100 meter
@200kHz = 0.9dB/100m @ 4MHz 2.2 dB/100m @ 16MHz 4.5 dB/100m @ 100MHz 12.3 dB/100m		

### Physical characteristics

Temperature rating	-15 to +80	Deg. C
Insulation material	Cellular Polyethylene	
Jacket material (color)	PVC (Purple)	
Type shield and % coverage	Aluminium+Polyester + 65% tinned copper braid	
Max. pulling tension	50	N
Min. bend radius	100	mm
Applicable specifications	BS 7655 section 6.1 table 1 LTS 3	
Flame resistance	IEC 332-1	

### Color code

Red & Green

### Application

Instrumentation cable for data applications