

C01-082

3 Core Braided Screened & Drain Wire, 200°C



Dimensions in mm unless otherwise stated

Dimensions ±4% unless otherwise stated

Electrical values ±10% unless otherwise stated

	RoHS Compliant					
	Colour code					
	0	Black				
	1	Brown				
	2	Red				
	3	Orange				
	4	Yellow				
	5	Green				
ĺ	6	Blue				
	7	Violet				
	8	Grey				
9 White		White				
	29 Pink 5/4 Green/Yellow					
Ī						
	5/4	Green/ reliow				

 HS-Revision
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 Date
 2016-07-14

Description		Dimension	Overall Diameter	Remarks
1	Tin plated copper conductor Fluoropolymer insulation (K 2019)	20 AWG t = 0.255	0.96 1.47	19 x 0.20
2	Drain wire of tin plated copper	20 AWG	0.96	19 x 0.20
3	Braided screen of tin plated copper wire	16 x 6 x 0.127	3.80	minimum coverage: 85% lay length: 20.3 angle: 28.4°
4	Fluoropolymer jacket, Blue	t = 0.35	4.50 min: 4.30 max: 4.70	tube-extruded

Electrical Properties							
Technical data	Values at 20°C	Unit					
Conductor resistance	34	Ohms / km max					
Insulation resistance	>5000	M Ohms / km					
Test voltage	3	kV DC					
Voltage rating	600 / 1000	V AC					
Capacitance *	Core - core: 90	pF / m					
* calculated nominal value: based on 2 core formula							

Physical Properties							
Summary		Cores	Jacket	Finished Cable			
Flame retardant		IEC 60332-3-24	IEC 60332-3-24	IEC 60332-3-24			
Fluids	Acid resistance	Excellent	Excellent	Excellent			
	Base resistance	Excellent	Excellent	Excellent			
	Fuel resistance	Excellent	Excellent	Excellent			
	Oil resistance	Excellent	Excellent	Excellent			
	Water resistance	Excellent	Excellent	Excellent			
Halogen free		-	-	-			
Low smoke		IEC 61034-2	IEC 61034-2	IEC 61034-2			
Radiation tolerance		10^4 Gy	10^4 Gy	10^4 Gy			
Weight		N/A	N/A	49 g/m			
Temperature *		-80°C 20,000 hrs: +180°C 3.000 hrs: +200°C	-80°C 20,000 hrs: +180°C 3,000 hrs: +200°C	-80°C 20,000 hrs: +180°C 3,000 hrs: +200°C			

* Cable rated to +200°C. Please note: the tin plating (conductor, drain and screen) will tarnish at temperatures exceeding +180°C, reflected in the long-term temperature rating.

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