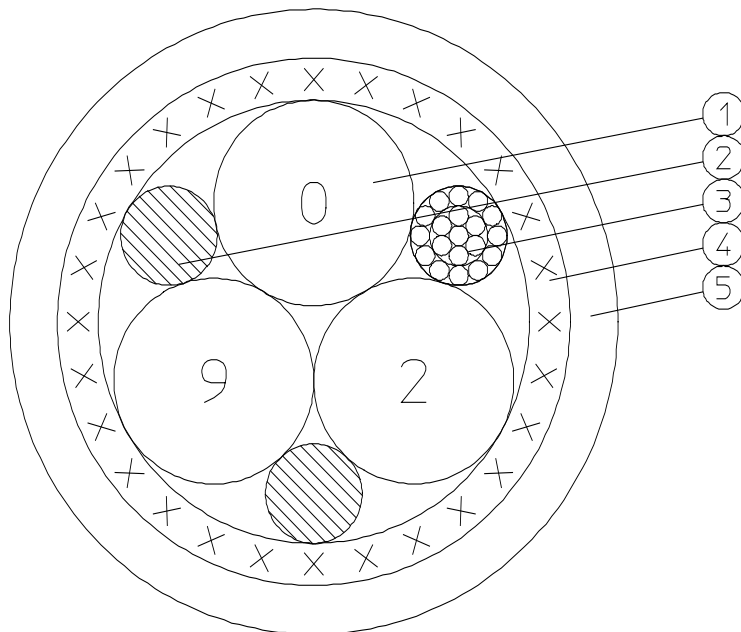


C01-082-3C

3 Core Braided Screened & Drain Wire, 200°C



Intended use:
Internal wiring
or external
interconnection of
equipment

Unless stated
otherwise:
Dimensions in mm
Dimensions $\pm 4\%$
Electrical values $\pm 10\%$

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



HS-Revision	03
Date	22-07-2019

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 Aramid filler			
3 Drain wire of tin plated copper	20 AWG	0.96	19 x 0.20
4 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°
5 Fluoropolymer jacket, Blue	t = 0.35	4.50 min: 4.30 max: 4.70	tube-extruded

Electrical Properties			Physical Properties			
Technical data	Values at 20°C	Unit	Summary	Cores	Jacket	Finished Cable
Conductor resistance	30 34	Ohms / km nom Ohms / km max	Flame retardant	IEC 60332-3-24 (Cat C)	IEC 60332-3-24 (Cat C)	IEC 60332-3-24 (Cat C)
Insulation resistance	>5000	M Ohms / km	Fluids	Acid resistance	Excellent	Excellent
Test voltage	3	kV DC		Base resistance	Excellent	Excellent
Voltage rating	600 / 1000	V AC		Fuel resistance	Excellent	Excellent
Capacitance	* Core - core: 85 * Core - screen: 150 All - screen: 377	pF / m		Oil resistance	Excellent	Excellent
Impedance	Core - core: 70 - 75	Ohms		Water resistance	Excellent	Excellent
AC loop Inductance	0.550	mH / km	Halogen free	No	No	No
L/R ratio	60 Hz: 0.008	ms (2 adjacent cores)	Low smoke generation	IEC 61034-2	IEC 61034-2	IEC 61034-2
* average taken from 3 values			Radiation tolerance	10 ⁴ Gy	10 ⁴ Gy	10 ⁴ Gy
			Weight	N/A	N/A	49 g/m
			Temperature *	-80°C Continuous: +180°C 3,000 hrs: +200°C	-80°C Continuous: +180°C 3,000 hrs: +200°C	-80°C Continuous: +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.			
Recommended MBR						
Fixed	Flexing	Dynamic				
25mm	50mm	100mm				

Cable construction does not contain silicone