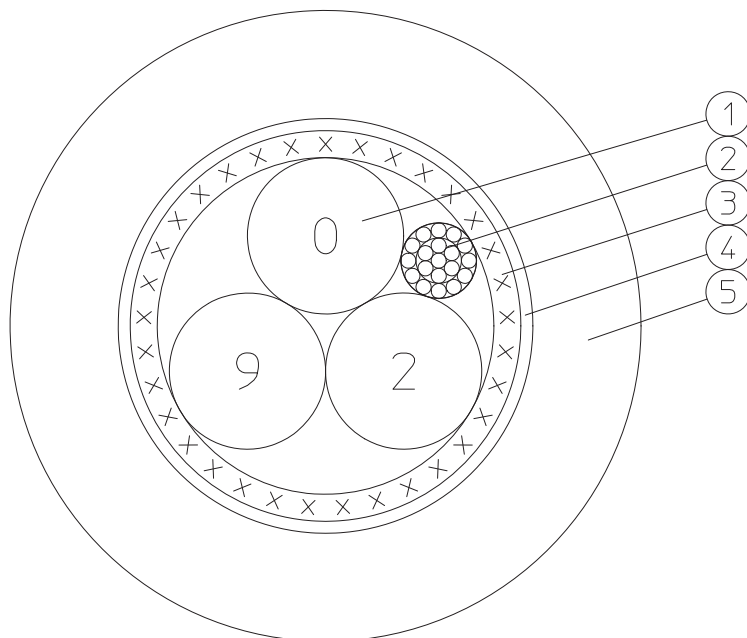


C01-018

3 Core Screened Silicon Cable, 150°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	02
Date	22-07-2019

Description	Dimension	Overall Diameter	Remarks
1 Tin plated copper conductor Fluoropolymer insulation (ZL 2019)	20 AWG t = 0.17	0.96 1.30	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 7 x 0.10	3.25	minimum coverage: 85% lay length: 23.4 angle: 22.1°
4 Non woven polyester binder		3.40	
5 Jacket of Silicon, Blue	t = 0.90	5.20 min: 5.00 max: 5.40	jacket colour should approximate RAL 5015 pressure-extruded smooth and round

Electrical Properties		
Technical data	Values at 20°C	Unit
Conductor resistance	32.4	Ohms / km max
Insulation resistance	>1500	M Ohms / km
Test voltage	3	kV DC
Voltage rating	600 / 1000	V AC
Capacitance	Core - core: 178 Core - screen: 335	pF / m
Impedance	Core - core: 28.6 Core - screen: 15.3	Ohms
AC loop Inductance	0.500	mH / km
L/R ratio	60 Hz: 0.008	ms (2 adjacent cores)

Recommended MBR		
Fixed	Flexing	Dynamic
30mm	55mm	110mm

Physical Properties			
Summary	Cores	Jacket	Finished Cable
Flame retardant	IEC 60332-3-24 (Cat C)	UL 94 HB	UL 94 HB
Fluids	Acid resistance	Excellent	Fair
	Base resistance	Excellent	Excellent
	Fuel resistance	Excellent	Weak
	Oil resistance	Excellent	Fair
	Water resistance	Excellent	Good
Halogen free	No	Yes	No
Low smoke generation	IEC 61034-2	Fair	Fair
Radiation tolerance	2x 10 ⁵ Gy	6x 10 ⁵ Gy	2x 10 ⁵ Gy
Weight	N/A	N/A	46 g/m
Temperature	-65°C	-50°C	-50°C
	Continuous: +150°C 3,000 hrs: +170°C	Continuous: +150°C 3,000 hrs: +180°C	Continuous: +150°C 3,000 hrs: +170°C