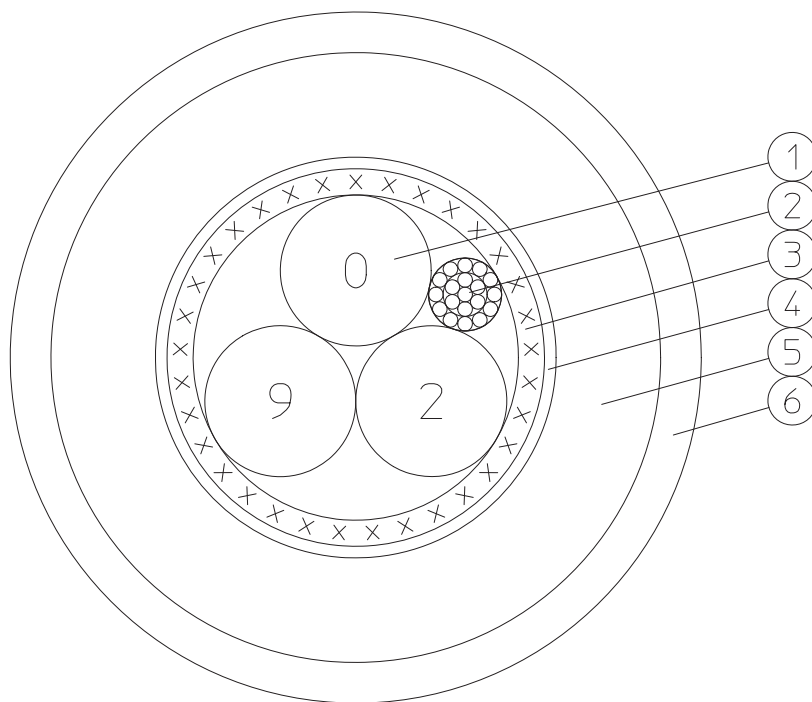


C01-086

3 Core Silicone with protective over-sheath, 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	24 AWG	0.60	19 x 0.13
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 Wrapped binder		3.40	
5 Silicone jacket, Blue	t = 0.90	5.20	pressure-extruded
6 Fluoropolymer jacket, Transparent	t = 0.35	5.90 min 5.60 max 6.20	tube-extruded

Electrical Properties			Physical Properties			
Technical data	Values at 20°C	Unit	Summary	Cores	Jacket	Finished Cable
Conductor resistance	32.4	Ohms / km max	Flame retardant	IEC 60332-3-24 (Cat C)	UL 94 HB	UL 94 HB
Insulation resistance	>1500	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: 178 Core - screen: 335	pF / m		Oil resistance	Excellent	Excellent
AC loop Inductance	0.500	mH / km		Water resistance	Excellent	Excellent
L/R ratio	60 Hz: 0.008	ms (2 adjacent cores)	Halogen free	No	No	No
Recommended MBR			Low smoke generation	IEC 61034-2	Good	Good
			Radiation tolerance	2x 10 ⁵ Gy	2x 10 ⁵ Gy	2x 10 ⁵ Gy
Fixed	Flexing	Dynamic	Weight	N/A	N/A	58 g/m
30mm	60mm	120mm	Temperature	-65°C Continuous: +150°C 3,000 hrs: +170°C	-50°C Continuous: +150°C 3,000 hrs: +170°C	-50°C Continuous: +150°C 3,000 hrs: +170°C