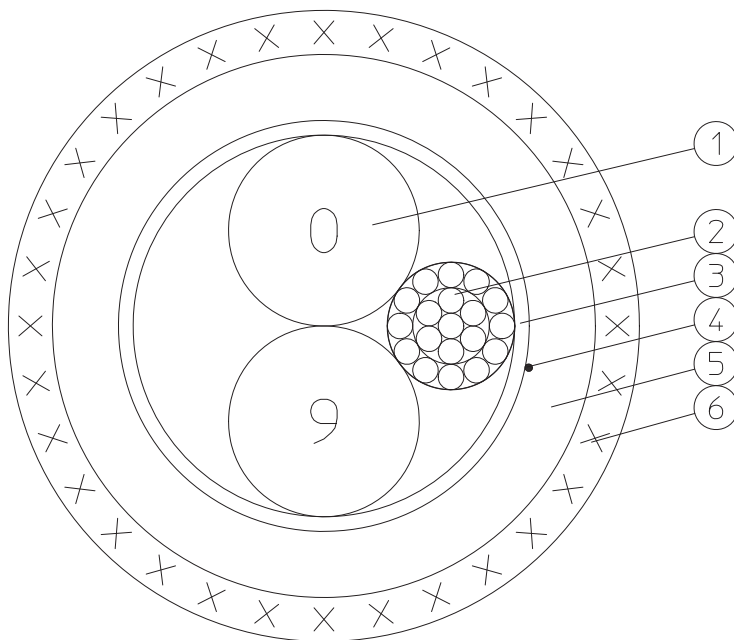


C01-002

2 Core Screened Overbraided FEP Cable



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	15-10-2021

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 Wrapped aluminium / polyester foil screen		2.8	
4 Aramid tear-thread			
5 Fluoropolymer jacket, Black	t = 0.45	3.70	tube-extruded
6 Braided armour of stainless steel wire, AISI 304	16 x 7 x 0.12	4.20 nom min: 4.00 max: 4.40	nominal coverage: 95% lay length: 11.8 angle: 46.6°

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: 165 Core - screen: 310	pF / m
Impedance	Core - core: 33 Core - screen: 18	Ohms
AC loop Inductance	0.500	mH / km
L/R ratio	60 Hz: 0.008	ms (2 adjacent cores)
Recommended MBR		
Fixed	Flexing	Dynamic
25mm	45mm	90mm

Physical Properties			
Summary	Cores	Jacket	Finished Cable
Flame retardant	IEC 60332-3-24 (Cat C)	IEC 60332-3-24 (Cat C)	IEC 60332-3-24 (Cat C)
Fluids	Acid resistance	Excellent	Excellent
	Base resistance	Excellent	Excellent
	Fuel resistance	Excellent	Excellent
	Oil resistance	Excellent	Excellent
	Water resistance	Excellent	Excellent
Halogen free	No	No	No
Low smoke generation	IEC 61034-2	IEC 61034-2	IEC 61034-2
Radiation tolerance	2x 10 ⁴ Gy	10 ⁴ Gy	10 ⁴ Gy
Weight	N/A	N/A	45 g/m
Temperature	-65°C	-65°C	-65°C
	Continuous: +150°C 3,000 hrs: +170°C	Continuous: +150°C 3,000 hrs: +170°C	Continuous: +150°C 3,000 hrs: +170°C

Cable construction does not contain silicone