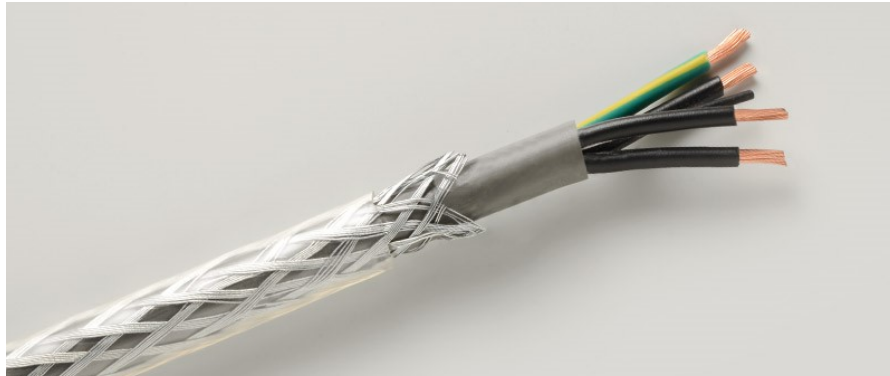


SY Technical Data Sheet



Temperature range (fixed installation)	Minimum bending radius	Test voltage	Operating voltage
-30°C to +70°C	7.5 x OD	2000V	300/500V

<u>Conductors:</u>	Class 5, Stranded electrolytic copper to IEC 60228:2023
<u>Insulation:</u>	PVC (Polyvinyl Chloride)
<u>Colour code:</u>	OZ - Black numbered cores without Green/Yellow JZ - Black numbered cores with 1 Green/Yellow OB/JB 2 Core - Brown & Brown 3 Core - Brown, Blue & Green/Yellow 4 Core - Brown, Grey, Black & Green/Yellow 5 Core - Brown, Blue, Grey, Black & Green/Yellow
<u>Stranding:</u>	In layers of optimum pitch
<u>Screen:</u>	Galvanised steel wire braiding
<u>Sheath:</u>	PVC (Polyvinyl Chloride)
<u>Sheath colour:</u>	Transparent
<u>Standards:</u>	Flame Retardant to IEC 60332-1-2
<u>Application:</u>	Suitable for fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load. In places where electro-magnetic interference and influence exists. -Instrumentation and control engineering. -Fuel oil pumps. -In machine production as measure and control cable. -Production and assembly lines. -Dry and humid places. -In places where medium level mechanical stresses exist.

SY Technical Data Sheet

Electrical Specification

<u>Conductor cross-section:</u> (nom.mm)	0.5	0.75	1	1.5	2.5	4.0	6.0	10	16
<u>Conductor resistance:</u> (max Ω/km)	39	26	19.5	13.3	7.98	4.95	3.3	1.91	1.21
<u>1kv min. insulation resistance test</u> (mΩ/km)	20								

Cross section (mm)	Outer diameter (mm±5%)	Weight (kg/km)
2 x 0.75	7.00	67.99
3 x 0.75	7.30	77.29
4 x 0.75	7.80	90.35
5 x 0.75	9.00	117.16
7 x 0.75	9.50	139.54
12 x 0.75	11.80	212.34
2 x 1	7.40	78.03
3 x 1	7.70	89.12
4 x 1	8.80	116.04
5 x 1	9.20	132.88
7 x 1	9.80	159.18
12 x 1	12.60	254.47
18 x 1	14.50	351.08
2 x 1.5	7.80	91.70
3 x 1.5	8.80	119.92
4 x 1.5	9.40	141.39
5 x 1.5	9.90	162.10
7 x 1.5	10.50	198.22
12 x 1.5	13.80	325.43

SY Technical Data Sheet

Cross section (mm)	Outer diameter	Weight (kg/km)
3 x 2.5	9.70	159.97
4 x 2.5	10.40	190.85
5 x 2.5	11.50	234.76
7 x 2.5	12.60	303.35
12 x 2.5	16.30	487.39
2 x 4	10.40	180.77
3 x 4	11.20	224.32
4 x 4	12.30	277.64
5 x 4	13.50	339.67
7 x 4	14.40	425.20
3 x 6	13.20	321.01
4 x 6	14.50	396.23
5 x 6	15.80	481.43
3 x 10	16.30	511.58
4 x 10	17.70	632.43
5 x 10	19.50	772.78
3 x 16	18.60	724.42
4 x 16	20.70	921.89
5 x 16	22.90	1129.79