

APPLICATION RANGE

Suitable for the transport of energy and in particular for the supply of electric motors controlled by an inverter / converter Siemens type. The large section of the shield serves to reduce the transmission of electromagnetic noise generated by the motor control.
For fixed indoor and outdoor installation in dry or wet environments. They can be installed on metal structures, on platforms, pipes, conduits and similar systems.

CONSTRUCTION

Conductor	Stranded electrolytic copper wire Class5, (BS EN 60228:2005)
Insulation	PE (Polyethylene) Compound (DIN VDE 0207-2)
Stranding	In layers of optimum pitch
Wrapping	PES tape
Screen	AL - PES tape + Tinned copper braiding
Sheath	Halogen Free Compound (HF Compound) (EN 50363-8)
Sheath Colour	Grey or Black (2YSLCHK)

TECHNICAL SPECIFICATION

Temperature Range	-30°C to +70°C (Fixed Installation)
Minimum Bending Radius	7,5 x outer diameter (Fixed Installation) 15 x outer diameter (Flexed Installation)
Flame Retardant	Test on single cable : IEC 60332-1-2 Test on bunched cable : IEC 60332-3-24 (Cat. C)
Smoke Density Test	IEC 61034-2
Test on Corrosiveness of Combustion Gases	IEC 60754-2
Halogen Free Test	IEC 60754-1

ELECTRICAL SPECIFICATION

Conductor cross-section	nom.	mm ²	1,5	2,5	4	6	10
Conductor resistance	max.	Ω/km	13,3	7,98	4,95	3,3	1,91
Insulation resistance test	min.	MΩxkm	1000				
Test voltage		V	3500				
Operating Voltage		V	600/1000 V				



2YSLCH

CROSS SECTION	OUTER DIA. ±(%5)	G
mm²	mm	Kg/Km
4X1,5	11,90	182,04
4X2,5	12,60	224,00
4x4	15,00	316,95
4x6	16,40	405,78
4x10	19,00	603,97
4x16	21,50	843,42
4x25	26,90	1288,95
4x35	30,20	1715,75
4x50	35,50	2393,80
4x70	40,40	3275,42
3X1,5+3x0,25	11,10	168,15
3X2,5+3x0,5	12,00	211,10
3x4+3x0,75	13,70	285,72
3x6+3x1	15,00	362,60
3x10+3x1,5	17,20	530,43
3x16+3x2,5	19,40	738,14
3x25+3x4	24,10	1114,67
3x35+3x6	27,00	1487,88
3x50+3x10	31,70	2124,59
3x70+3x10	35,60	2718,90