



### CONSTRUCTION

<b>Conductor</b>	Plain Annealed Copper Wire Class 5 IEC 228 - BS 6360
<b>Insulation</b>	Cross-Linked Polyethylene (XLPE)
<b>Core Identification</b>	Black, brown, grey, green-yellow
<b>Filler</b>	PP Yarn or PVC Filler (Optional)
<b>Screens</b>	Electrostatic screen made of aluminium backed polyester tape and a second screen made of tinned copper wire braid with coverage $\geq 85\%$
<b>Outer Sheath</b>	Low smoke halogen free compound (LSHF-UV Resistant), Black
<b>Flame Retardant</b>	IEC 60332-1
<b>Flame Propagation</b>	IEC 60332-3 Cat.C

### APPLICATION

Cables with special construction, used to supply power to motors from frequency converters while maintaining full electromagnetic compatibility (EMC). The XLPE insulation improves current carrying capacity maintaining at the same time low capacitance in comparison to PVC insulated cables. The cables are suitable for both fixed installation and flexible connections in industrial equipment, process lines, and machines operating in dry and damp rooms. The entire cable is made of halogen-free materials and does not emit noxious substances under fire conditions.

### TECHNICAL DATA



Nominal Voltage:  
600/1000V



Spark Test:  
5000V



Insulation Resistance:  
At 20°C 20 MOhm/km



Min. Bending Radius:  
5 x O.D (Fixed) | 10 x O.D (Mobile)



Test Voltage:  
4000V 5 min



Temperature Rating:  
80°C



UV Resistant



flame retardant



flexible cable



electromagnetic protection



oil resistant



chemical resistance

Item No.	Cross-section mm <sup>2</sup>	Cu content kg/km	Outer diameter approx.mm	Weight approx. kg/km	Cu cross-section of screen approx.
1	4G1.5	94.0	10.6	230	3mm <sup>2</sup>
2	4G2.5	150.0	12.3	300	4mm <sup>2</sup>
3	4G4.0	235.0	14.6	485	4mm <sup>2</sup>
4	4G6.0	320.0	16.4	630	6mm <sup>2</sup>
5	4G10	533.0	20.1	860	6mm <sup>2</sup>
6	4G16	789.0	23.4	1290	6mm <sup>2</sup>
7	4G25	1236.0	27.0	1860	16mm <sup>2</sup>
8	4G35	1662.0	32.7	2610	16mm <sup>2</sup>
9	4G50	2345.0	36.1	2950	16mm <sup>2</sup>
10	4G70	3196.0	42.3	3950	16mm <sup>2</sup>
11	4G95	4316.0	47.7	5300	25mm <sup>2</sup>
12	4G120	5428.0	51.9	6600	25mm <sup>2</sup>
13	4G150	6394.0	57.5	7040	>30mm <sup>2</sup>
14	4G185	7639.0	61.1	8380	>30mm <sup>2</sup>
15	4G240	11059.0	69.3	12165	>30mm <sup>2</sup>