

EMC/VSD Cable

Variable Speed Drive Cable - XLPE



Application:

Variable speed drives (VSD's), equipment control and measurement. All applications requiring electrical/electronic screening of cable. XLPE insulated cores are used where current demands are higher

Benefits

Excellent Screening	Huge reduction in electrical and electronic emissions from cable
Reduced Noise Effects	Greatly reduces the effects of noise disturbance on cable signals
Increased Current Ratings	XLPE insulation is rated to carry higher continuous currents
Easy to Install Easy to Use	Easy to install easy to use-flexible cable using class 5 conductors
Extremely Flexible	Extremely flexible insulation and sheath for use in confined and difficult applications
Easy to Solder	Easy to solder tinned copper conductors and braid

Features

- ✓ Tinned copper braid provide excellent screening from external EMI
- ✓ Higher performance VSD cable with improved temperature and current ratings
- ✓ Lighter weight and reduced overall diameter
- ✓ Split earths (6mm² and larger) provide enhanced balance for harmonics
- ✓ UV resistant black 5V90 PVC sheath
- ✓ RoHS compliant to European environmental requirements

Construction

Conductor	Tinned annealed copper wire, class 5
Insulation	Flexible X-90
Screening	Tinned copper wire braid, minimum coverage 85%
Sheath	5V90 PVC
Colours	2 Core + Earth - Blue, brown & green/yellow 3 Core + Earth - Black, blue, brown & green/yellow

Ratings

Temperature	0°C to + 90°C
Voltage	0.6/1kV
Applicable Standards	AS/NZS1125, AS/NZS3808, AS/NZS5000.1



Flexible Conductor:
Class 5



Tinned Copper
for Corrosion Resistance



Minimum Service
Temperature:
0°C



Maximum Service
Temperature:
90°C



Maximum Short Circuit
Temperature:
250°C (Max 5s)



Impact Resistant



Abrasion Resistant



Chemical & Oil
Resistant



UV Resistant



Flame
Non-Propagation



Minimum Recommended
Bend Radius Fixed 4 x OD

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EMC/VSD XLPE Cable - Braid Screen

Bambach Item Code	Conductor CSA mm ²	Conductor Stranding No. of Strands/mm	Construction	Nom Ø mm	Current Rating* Amps	Weight kg/km
46030BK	2.5	50/0.25	2 Core + E	11.9	30	215
46031BK	4	56/0.30	2 Core + E	13.1	40	274
46032BK	6	84/0.30	2 Core + E	14.7	51	353
46035BK	2.5	50/0.25	3 Core + E	12.7	26	256
46036BK	4	56/0.30	3 Core + E	14.1	34	335
46037BK	6	Core 84/0.30 Earth 30/0.25	3 Core + 3 E	15.9	43	435
46038BK	10	Core 140/0.30 Earth 30/0.25	3 Core + 3 E	18.1	61	591
46039BK	16	Core 224/0.30 Earth 50/0.25	3 Core + 3 E	20.3	81	826
46040BK	25	Core 350/0.30 Earth 56/0.30	3 Core + 3 E	23.9	108	1192

*Current ratings based on AS/NZS3008.1.1:2009 table 11, column 6 and table 14, column 6

Note: the screen is not designed as an electrical safety earth and should not be in place of a protective earth core.

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