

Flexible Trailing Cables Type 11

BS 6708

CABLE DESCRIPTION

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For use with Coalcutters and similar face equipment.

Flexible Tinned Annealed Copper (TAC) Conductors, MEPR Insulated, 3 Copper/Nylon Screened Power Cores Plus 1 Screened Pilot Unit, Laid up Around a PCP Centre, Sheathed Overall with a Heavy Duty Flame retardent Elastomeric Compound. The Pilot Unit has 1 MEPR Insulated and Screened Conductor, Insulated/Screened to the same Diameter as the Screened Phase Cores.



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Formerly Pirelli Cables

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Description Details

Item	Description	Details
1	Phase Conductor	(3 off) TAC Flex Conductor
2	Phase Insulation	Coloured Extruded MEPR Cores
3	Phase Core Screen	Composite Copper/Nylon Braid
4	Pilot Conductor	(1 off) TAC Flex Conductor
5	Pilot Insulation	Blue Extruded MEPR
6	Pilot Screen	Composite Copper/Nylon Braid
7	Lay Up	3 Power Cores 1 Pilot Core Laid Up Around the Uninsulated Earth Core
8	Overall Sheath	Extruded Heavy Duty PCP (Black)

Phase Conductor

Cable size mm ²	Number and nom size of conductor mm ²	Conceptual conductor stranding mm	Nominal conductor diameter mm	Diameter over insulation Nom mm	Diameter over copper/ Nylon screen Nom mm
16	3 x 16	126/0.40	5.5	8.6	10.9

Pilot Conductor

Cable size mm ²	Number and nom, size of conductor mm ²	Conceptual conductor stranding mm	Nominal conductor diameter mm	Diameter over insulation Nom mm	Diameter over copper/nylon screen Nom mm
16	1 x 16	126/0.40	5.5	8.6	10.9

Cable Details

Cable size mm ²	Overall diameter minimum mm	Overall diameter maximum mm	Minimum bending radius mm	Maximum pulling tension kgf	Approximate cable weight kg/km
16	30.9	33.0	264	384	1960

Electrical Details

Cable size mm ²	Continuous current rating at 25°C Ambient Amps	Intermittent current rating at 25° Ambient Amps	Maximum d.c. resistance at 20°C:			Nominal reactance at 50 Hz Ohms/Km	Nominal reactance at 60 Hz Ohms/Km	Minimum insulation resistance at 20°C Megohms.Km	3 Phase volt drop based on full load current mV/A/Mt
			Power conductor Ohms/Km	Pilot conductor Ohms/Km	4 screens in parallel Ohms/Km				
16	85	96	1.24	1.24	1.05	0.109	0.131	435	2.62

Ordering Information

Cable size mm ²	Reference/Description
16	FCT-M101-095-002



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