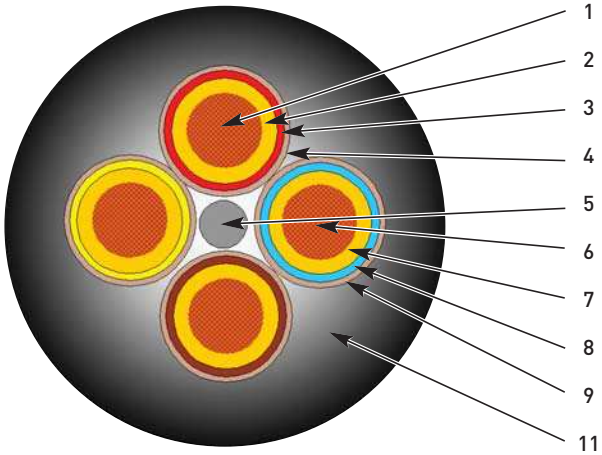
Type 11 Trailing Cable

640/1100 volt in accordance with BS 6708:1998

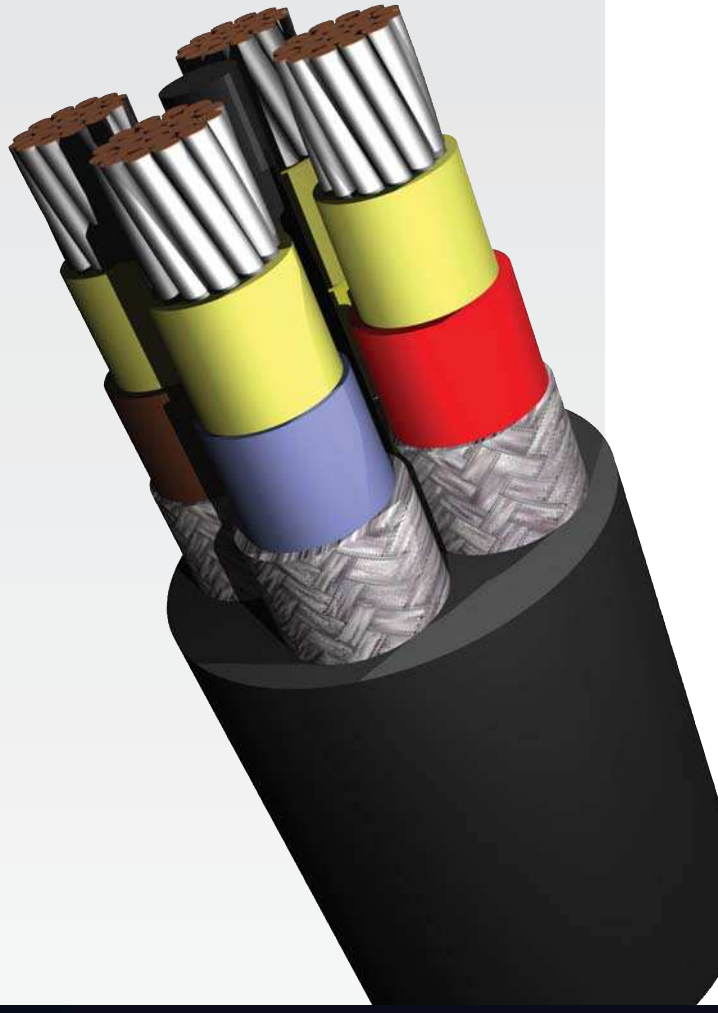
For use with shuttle cars, coal cutters and similar face equipment. BCS 188:1978 refers



Item	Description	Details
1	Phase conductor	(3 off) TAC flex conductors
2	Phase insulation	Extruded MEPR yellow
3	Phase identification	Proofed tape – red, yellow, brown
4	Phase core screen	Composite copper/nylon braid
5	Filler	PCP rubber centre
6	Pilot conductor	(1 off) TAC flex conductor
7	Pilot insulation	Extruded MEPR yellow
8	Pilot identification	Taped - blue
9	Pilot screen	Composite copper/nylon braid
10	Lay up	3 power cores + 1 pilot core laid up around an elastomeric centre
11	Overall sheath	Extruded heavy duty PCP black

Description

Flexible tinned annealed copper (TAC) conductors, MEPR insulated, 3 copper/nylon screened power cores plus 1 copper/nylon screened pilot core, laid up around a PCP centre, sheathed overall with a heavy duty flame retardant elastomeric compound.



Type 11 Trailing Cable To BS 6708:1998

TECHNICAL DETAILS

Phase Conductor		
Number and CSA	mm^2	3 x 16 mm^2
Nominal stranding	mm	126/0.40
Nominal diameter	mm	5.50
Nominal diameter over insulation	mm	8.85
Nominal diameter over screen	mm	11.15
Pilot Conductor		
Number and CSA	mm^2	1 x 16 mm^2
Nominal stranding	mm	126/0.40
Nominal diameter	mm	5.50
Nominal diameter over insulation	mm	8.85
Nominal diameter over screen	mm	11.15
Cable Details		
Overall diameter – minimum	mm	30.90
Overall diameter – maximum	mm	33.00
Minimum bending radius	mm	270
Maximum pulling tension	kgf	380
Approximate cable weight	kg/km	1960
Electrical Details		
Continuous current rating at 25°C ambient	Amps	85
Intermittent current rating at 25°C ambient	Amps	96
Maximum d.c. resistance at 20°C:		
- Power conductor	Ω/km	1.240
- Pilot conductor	Ω/km	1.240
- 4 screens and earth in parallel	Ω/km	1.050
Nominal reactance at 50 Hz	Ω/km	0.109
Nominal reactance at 60 Hz	Ω/km	0.131
Minimum insulation resistance of power cores at 20°C	MΩ/km	435
3 Phase volt drop based on full load current	mV/A/mt	2.62