BS6708 Type 7 Mining Cable - EPR, CP - 16mm² to 150mm²

Description

Cleveland Cable Company can supply a range of mine and quarry cable. Type 7 mining cable is generally used in deep mines where explosive gasses and dust can accumulate and on surface for supplying excavating, crushing machines and equipment.

Key Features

Voltage Rating
640V To 1100V

Minimum Bending Radius
8 x Overall Diameter

Temperature Limits
Fixed: -40°C to +80°C
Flexing: -25°C to +80°C
Maximum Short Circuit Temperature: +200°C

Core Colours

Three phase cores with composite individual screens and one unscreened pilot core laid up in contact with each other and the bare earth conductor in the centre.

Standards

- BS EN/IEC 60228
- BS 6708

Construction

- **Conductor**: Class 5 Flexible Tinned Copper
- **Insulation**: Ethylene propylene rubber (EPR) Ground core is not insulated
- **Separator**: Colored Textile tape for core identification.
- **Screen**: Tinned copper / Nylon braided screen over phase cores. Pilot core is not screened.
- **Layup**: All cores are laid up in contact with the bare copper earth conductor
- **Outer Sheath**: Heavy Duty Polychloroprene (HDPCP)
- **Sheath Colour**: Black

QA Lab

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

BS6708 Type 7 Mining Cable - EPR, CP - 16mm² to 150mm² - Dimensions

Reference	No Of Cores	Phase Conductor Size (mm2)	Bare Earth Cond Size	Stranding(mm)	No of Phase Cores	Pilot Cond Size	Max Overall Dia	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
TYPE73X150	3	150	70	740/0.50	3	95	78.4	627	78.4	11500
TYPE73X120	3	120	50	629/0.50	3	70	72.5	580	72.5	9650
TYPE73X95	3	95	50	475/0.50	3	50	66.1	529	66.1	7900
TYPE73X70	3	70	35	360/0.50	3	35	58.5	470	58.5	6200
TYPE73X50	3	50	25	396/0.40	3	25	51.8	414	51.8	4600
TYPE73X35	3	35	18	276/0.40	3	16	46.3	370	46.3	3520
TYPE73X25	3	25	16	196/0.40	3	16	42.9	343	42.9	2950
TYPE73X16	3	16	16	126/0.40	3	16	38.6	309	38.6	2400

BS 6708 TYPE 7 MINING CABLE 1100V - ELECTRICAL CHARACTERISTICS

CONDUCTOR SIZE	NUMBER OF CORES	CONTINUOUS CURRENT RATING	PHASE CONDUCTOR RESISTANCE	PILOT CONDUCTOR RESISTANCE	3 SCREEN & EARTH IN PARALLEL	NOMINAL REACTANCE AT 50HZ	NOMINAL REACTANCE AT 60HZ	INSULATION RESISTANCE AT 20°C	3 PHASE VOLTAGE DROP ON FULL LOAD
(MM^2)		(AMPS)	(Ω/KM)	(Ω/KM)	(Ω/KM)	(Ω/KM)	(Ω/KM)	(MΩ/KM)	(MV/A/M)
16	3	85	1.24	1.24	0.66	0.109	0.131	435	2.62
25	3	110	0.795	1.24	0.56	0.107	0.128	375	1.68
35	3	135	0.565	1.24	0.54	0.101	0.121	325	1.2
50	3	170	0.393	0.795	0.44	0.098	0.118	285	0.84
70	3	205	0.277	0.565	0.3	0.095	0.114	260	0.61
95	3	250	0.21	0.393	0.26	0.094	0.113	250	0.47
120	3	295	0.164	0.277	0.24	0.092	0.11	250	0.38
150	3	320	0.132	0.21	0.176	0.08	0.096	250	0.32