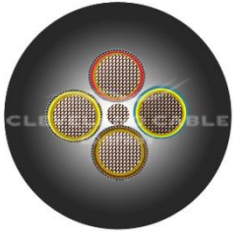


BS 6708 TYPE 7 MINING CABLE 1100V



APPLICATION

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.

CABLE STANDARDS

BS 6708

CONSTRUCTION

CONDUCTOR :

Electrolytic, stranded, tinned copper wire IEC 60228 Class 5

INSULATION :

Ethylene propylene rubber (EPR) Ground core is not insulated.

SEPERATOR :

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.

BEDDING :

Rubber based bedding compound.

OUTER SHEATH :

Heavy duty chloroprene outer sheath.

CHARACTERISTICS

Voltage Rating

640V to 1100V

Temperature Rating

Fixed: -20°C to +85°C

Minimum Bending Radius

As per cable manufacturer datasheet

Core Identification

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.

Should not be installed at temperatures below 5°C or above 60°C

BS 6708 TYPE 7 MINING CABLE 1100V - DIMENSIONS

CCC CODE	PHASE CONDUCTOR SIZE (MM ²)	NO OF PHASE CORES	BARE EARTH CONDUCTOR SIZE	PILOT CONDUCTOR SIZE	STRANDING (MM)	MINIMUM BENDING RADIUS (MM)	WEIGHT (Kg/Km)	MAX OVERALL DIAMETER (MM)
TYPE73x16	16	3	16	16	126/0.40	309	2400	38.6
TYPE73x25	25	3	16	16	196/0.40	343	2950	42.9
TYPE73x35	35	3	18	16	276/0.40	370	3520	46.3
TYPE73x50	50	3	25	25	396/0.40	414	4600	51.8
TYPE73x70	70	3	35	35	360/0.50	470	6200	58.5
TYPE73x95	95	3	50	50	475/0.50	529	7900	66.1
TYPE73x120	120	3	50	70	608/0.50	580	9650	72.5
TYPE73x150	150	3	70	95	740/0.50	627	11500	78.4

BS 6708 TYPE 7 MINING CABLE 1100V - ELECTRICAL CHARACTERISTICS

CCC CODE	CONTINUOUS CURRENT RATING (AMPS)	PHASE CONDUCTOR RESISTANCE (Ω)/KM	PILOT CONDUCTOR RESISTANCE (Ω)/KM	3 SCREEN & EARTH IN PARALLEL (Ω)/KM	NOMINAL REACTANCE AT 50Hz (Ω)/KM	NOMINAL REACTANCE AT 60Hz (Ω)/KM	INSULATION RESISTANCE AT 20°C M(Ω)/KM	3 PHASE VOLTAGE DROP ON FULL LOAD MV/A/M
TYPE73x16	85	1.24	1.24	0.66	0.109	0.131	435	2.62
TYPE73x25	110	0.795	1.24	0.56	0.107	0.128	375	1.68
TYPE73x35	135	0.565	1.24	0.54	0.101	0.121	325	1.20
TYPE73x50	170	0.393	0.795	0.44	0.098	0.118	285	0.84
TYPE73x70	205	0.277	0.565	0.30	0.095	0.114	260	0.61
TYPE73x95	250	0.210	0.393	0.26	0.094	0.113	250	0.47
TYPE73x120	295	0.164	0.277	0.24	0.092	0.110	250	0.38
TYPE73x150	320	0.132	0.210	0.176	0.080	0.096	250	0.32

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. We believe the information is correct at the time of publication.