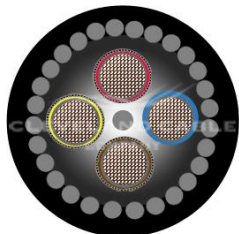


BS 6708 TYPE 331 MINING CABLE 3300V



APPLICATION

Cleveland Cable Company can supply a range of mine and quarry cable. Type 331 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. Can be used as a trailing cable in quarries

CABLE STANDARDS

BS 6708

CONSTRUCTION

CONDUCTOR :

Electrolytic, stranded, tinned copper wire IEC 60228 Class 5

INSULATION :

Ethylene propylene rubber (EPR)

SCREEN :

Tinned copper / Nylon braided screen over phase cores. Ground core is not screened.

LAYUP :

All cores are laid up in contact with each other.

BEDDING :

Rubber based bedding compound.

ARMOUR :

Galvanized steel pliable armour.

OUTER SHEATH :

Heavy duty chloroprene outer sheath.

CHARACTERISTICS

Voltage Rating

1900V to 3300V

Temperature Rating

Fixed: -20°C to +85°C

Minimum Bending Radius

As per cable manufacturer datasheet

Core Identification

Three phase cores, all with composite individual screens and one unscreened earth core laid up in contact with each other.

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

BS 6708 TYPE 331 MINING CABLE 3300V – DIMENSIONS

CCC CODE	PHASE CONDUCTOR SIZE (MM ²)	NO OF PHASE CORES	UNSCREENED EARTH CONDUCTOR SIZE	STRANDING (MM)	MINIMUM BENDING RADIUS (MM)	WEIGHT (Kg/Km)	MAX OVERALL DIAMETER (MM)
TYPE3313X25	25	3	16	196/0.40	740	6800	61.6
TYPE3313X35	35	3	25	276/0.40	821	8500	68.4
TYPE3313X50	50	3	35	396/0.40	886	9750	73.8
TYPE3313X70	70	3	50	360/0.50	1016	15600	84.6
TYPE3313X95	95	3	70	475/0.50	1089	18100	90.7
TYPE3313X120	120	3	70	608/0.50	1143	20250	95.2

BS 6708 TYPE 331 MINING CABLE 3300V - ELECTRICAL CHARACTERISTICS

CCC CODE	CONTINUOUS CURRENT RATING (AMPS)	PHASE CONDUCTOR RESISTANCE (Ω)/KM	EARTH CONDUCTOR RESISTANCE (Ω)/KM	ARMOUR RESISTANCE (Ω)/KM	3 SCREENED CONDUCTORS IN PARALLEL	INSULATION RESISTANCE AT 20°C M(Ω)/KM	3 PHASE VOLTAGE DROP ON FULL LOAD MV/A/M
TYPE3313X25	110	0.795	1.24	0.965	1.35	375	1.68
TYPE3313X35	135	0.565	0.795	0.844	0.80	325	1.20
TYPE3313X50	170	0.393	0.565	0.715	0.70	285	0.84
TYPE3313X70	205	0.277	0.393	0.488	0.69	260	0.61
TYPE3313X95	250	0.210	0.277	0.382	0.64	250	0.47
TYPE3313X120	295	0.164	0.277	0.299	0.55	250	0.38