BS6708 Type 331 Mining Cable - EPR, SWA, CP -25mm to 120mm

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.

Key Features

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

Voltage Rating
1900/3300 Volts

Minimum Bending Radius
As Per Manufacturers Datasheet

Construction

- **Conductor**: Electrolytic stranded tinned copper wire IEC 60228 Class 5
- **Insulation**: EPR (Ethylene Propylene Rubber)
- **Bedding**: Rubber based bedding compound
- **Screen**: Tinned copper / Nylon braided screen over phase cores. Ground core is not screened.
- **Sheath**: Heavy duty chloroprene outer sheath
- **Layup**: All cores are laid up in contact with each other.
- **Armour**: Galvanised steel pliable armour

Standards

- BS 6708

Core Colours

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

BS6708 Type 331 Mining Cable - EPR, SWA, CP -25mm to 120mm - Dimensions

Reference	Conductor Size (mm2)	Phase Conductor Size	No Of Cores	Unscreened Earth Conductor Size	Stranding(mm)	No of Phase Cores	Minimum Bending Radius	TYPE	Overall Diameter(mm)	Weight(Kg/Km)
TYPE3313X25	25	3	3	196/0.4	196/0.40	16	6800	TYPE33	61.6	6800
TYPE3313X35	35	3	3	276/0.4	276/0.40	25	8500	TYPE33	68.4	8500
TYPE3313X50	50	3	3	396/0.4	396/0.40	35	9750	TYPE33	73.8	9750
TYPE3313X70	70	3	3	360/0.5	360/0.50	50	15600	TYPE33	84.6	15600
TYPE3313X95	95	3	3	475/0.5	475/0.50	70	18100	TYPE33	90.7	18100
TYPE3313X120	120	3	3	608/0.5	608/0.50	70	20250	TYPE33	95.2	20250

BS 6708 TYPE 331 MINING CABLE 1100V - ELECTRICAL CHARACTERISTICS

CONDUCTOR SIZE	NUMBER OF CORES	CONTINUOUS CURRENT RATING	PHASE CONDUCTOR RESISTANCE	EARTH CONDUCTOR RESISTANCE	ARMOUR RESISTANCE	3 SCREENED CONDUCTORS IN PARALLEL	INSULATION RESISTANCE AT 20°C	3 PHASE VOLTAGE DROP ON FULL LOAD
(MM^2)		(AMPS)	(Ω/KM)	(Ω/KM)	(Ω/KM)	(Ω/KM)	(MΩ/KM)	(MV/A/M)
25	3	110	0.795	1.24	0.965	1.35	375	1.68
35	3	135	0.565	0.795	0.844	0.80	325	1.20
50	3	170	0.393	0.565	0.715	0.70	285	0.84
70	3	205	0.277	0.393	0.488	0.69	260	0.61
95	3	250	0.210	0.277	0.382	0.64	250	0.47
120	3	295	0.164	0.277	0.299	0.55	250	0.38