BS6708 Type 20 Mining Cable EPR, SWA, CP - 2.5mm² to 150mm²

Description

Cleveland Cable Company can supply a range of mine and quarry cable. Type 20 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
10 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 unscreened cores laid up around an elastomeric cradle without contacting each other.

Standards

- BS EN/IEC 60228
- BS 6708

Construction

- **Conductor**: Class 5 Flexible Tinned Copper
- **Insulation**: Ethylene Propylene Rubber (EPR)
- **Layup**: Cores are laid up over a cradle without contacting each other.
- **Bedding**: Rubber based bedding compound
- **Armour**: Pliable Galvanised steel wire armour (SWA)
- **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 20 Mining Cable EPR, SWA, CP - 2.5mm² to 150mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Max Overall Dia	Minimum Bending Radius	Weight(Kg/Km)
TYPE203X2/5	2.5	3	50/0.25	26.9	243	990
TYPE203X4	4	3	56/0.30	28.2	254	1150
TYPE203X6	6	3	84/0.30	36.5	329	2000
TYPE203X10	10	3	80/0.40	38.4	346	2350
TYPE203X16	16	3	126/0.40	40.8	368	2750
TYPE203X25	25	3	196/0.40	47	423	3350
TYPE203X35	35	3	276/0.40	50.6	456	4300
TYPE203X50	50	3	396/0.40	56.7	511	5320
TYPE203X70	70	3	360/0.50	62.7	565	6750
TYPE203X95	95	3	475/0.50	72.1	649	8750
TYPE203X120	120	3	629/0.50	77	693	10650
TYPE203X150	150	3	740/0.50	87.3	786	12500

BS 6708 TYPE 21 MINING CABLE 1100V - ELECTRICAL CHARACTERISTICS

CONDUCTOR SIZE	NUMBER OF CORES	CONTINUOUS CURRENT RATING	CONDUCTOR RESISTANCE	ARMOUR RESISTANCE	3 PHASE VOLTAGE DROP ON FULL LOAD
(MM^2)		(AMPS)	(Ω/KM)	(Ω/KM)	(MV/A/M)
2.5	3	28	8.21	4.2	13.5
4	3	37	5.09	3.9	10
6	3	46	3.39	2	6.8
10	3	63	1.95	1.9	6.8
16	3	85	1.24	1.7	2.5
25	3	110	0.795	1.5	1.65
35	3	135	0.565	1.1	1.20
50	3	170	0.393	0.96	0.84
70	3	205	0.277	0.80	0.61
95	3	250	0.210	0.73	0.47
120	3	295	0.164	0.47	0.38
150	3	320	0.132	0.41	0.30