BS6708 Type 21 Mining Cable - EPR, SWA, CP - 2.5mm² to 150mm²



Description

Cleveland Cable Company can supply a range of mine and quarry cable. Type 21 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

Four unscreened cores laid up around an elastomeric cradle without contacting each other

Standards

- BS 6708
- BS EN/IEC 60228

Construction

- **Conductor**: Class 5 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

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

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.

ISO/IEC 17025 Accredited Testing Laboratory
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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.

CLEVELAND CABLE COMPANY

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

ecovadis

BS6708 Type 21 Mining Cable - EPR, SWA, CP - 2.5mm² to 150mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	No of Phase Cores	Max Overall Dia	Minimum Bending Radius	Weight(Kg/Km)
TYPE214X2/5	2.5	4	50/0.25	4	28.6	258	1150
TYPE214X4	4	4	56/0.30	4	30.1	271	1320
TYPE214X6	6	4	84/0.30	4	38.8	350	2350
TYPE214X10	10	4	80/0.40	4	41	369	2740
TYPE214X16	16	4	126/0.40	4	44	396	3170
TYPE214X25	25	4	196/0.40	4	49.8	449	4030
TYPE214X35	35	4	276/0.40	4	56.1	505	5220
TYPE214X50	50	4	396/0.40	4	61.8	557	6400
TYPE214X70	70	4	360/0.50	4	71.4	643	8060
TYPE214X95	95	4	475/0.50	4	78.6	708	11650
TYPE214X120	120	4	629/0.50	4	89	801	13450
TYPE214X150	150	4	740/0.50	4	95.3	858	15300

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	4	28	8.21	4.2	13.5
4	4	37	5.09	3.9	10
6	4	46	3.39	2	6.8
10	4	63	1.95	1.9	6.8
16	4	85	1.24	1.7	2.5
25	4	110	0.795	1.5	1.65
35	4	135	0.565	1.1	1.20
50	4	170	0.393	0.96	0.84
70	4	205	0.277	0.80	0.61
95	4	250	0.210	0.73	0.47
120	4	295	0.164	0.47	0.38
150	4	320	0.132	0.41	0.30

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