

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



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



#### Installation Guidelines

Recommended for installation at temperatures between 5°C or above 60°C



#### Voltage Rating

640V To 1100V



#### 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
- **Sheath:** Heavy duty chloroprene outer sheath
- **Layup:** Cores are laid up over a cradle without contacting each other.
- **Armour:** Galvanised steel pliable armour

### Standards

- BS 6708

### Core Colours

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

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

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm )	No of Phase Cores	Max Overall Dia	Minimum Bending Radius	TYPE	Weight(Kg/Km )
TYPE214X2/5	2.5	4	50/0.25	4	28.6	258	TYPE214	1150
TYPE214X4	4	4	56/0.30	4	30.1	271	TYPE214	1320
TYPE214X6	6	4	84/0.30	4	38.8	350	TYPE214	2350
TYPE214X10	10	4	80/0.40	4	41	369	TYPE214	2740
TYPE214X16	16	4	126/0.40	4	44	396	TYPE214	3170
TYPE214X25	25	4	196/0.40	4	49.8	449	TYPE214	4030
TYPE214X35	35	4	276/0.40	4	56.1	505	TYPE214	5220
TYPE214X50	50	4	396/0.40	4	61.8	557	TYPE214	6400
TYPE214X70	70	4	360/0.50	4	71.4	643	TYPE214	8060
TYPE214X95	95	4	475/0.50	4	78.6	708	TYPE214	11650
TYPE214X120	120	4	629/0.50	4	89	801	TYPE214	13450
TYPE214X150	150	4	740/0.50	4	95.3	858	TYPE214	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 <sup>2</sup> )		(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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For more information contact: 01642 241 133

