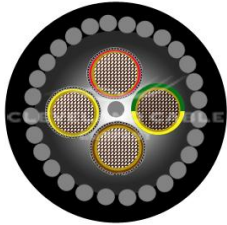


BS 6708 TYPE 21 MINING CABLE 1100V



APPLICATION

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.

CABLE STANDARDS

BS 6708

CONSTRUCTION

CONDUCTOR :

Electrolytic, stranded, tinned copper wire IEC 60228 Class 5

INSULATION :

Ethylene propylene rubber (EPR)

LAYUP :

Cores are laid up over a cradle without contacting each other.

BEDDING :

Rubber based bedding compound.

ARMOUR :

Galvanized steel pliable armour.

OUTER SHEATH :

Heavy duty chloroprene outer sheath

CHARACTERISTICS

Voltage Rating

640V to 1100V

Temperature Rating

Fixed: -20°C to +85°C

Minimum Bending Radius

As per cable manufacturer datasheet

Core Identification

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

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

BS 6708 TYPE 21 MINING CABLE 1100V – DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	NO OF PHASE CORES	CONDUCTOR STRANDING (MM)	MINIMUM BENDING RADIUS (MM)	WEIGHT (Kg/Km)	MAX OVERALL DIAMETER (MM)
TYPE214X2/5	2.5	4	50/0.25	258	1150	28.6
TYPE214X4	4	4	56/0.30	271	1320	30.1
TYPE214X6	6	4	84/0.30	350	2350	38.8
TYPE214X10	10	4	80/0.40	369	2740	41.0
TYPE214X16	16	4	126/0.4	396	3170	44.0
TYPE214X25	25	4	196/0.40	449	4030	49.8
TYPE214X35	35	4	276/0.40	505	5220	56.1
TYPE214X50	50	4	396/0.40	557	6400	61.8
TYPE214X70	70	4	360/0.50	643	8060	71.4
TYPE214X95	95	4	475/0.50	708	1650	78.6
TYPE214X120	120	4	629/0.50	801	13450	89.0
TYPE214X120	150	4	740/0.50	858	15300	95.3

BS 6708 TYPE 21 MINING CABLE 1100V - ELECTRICAL CHARACTERISTICS

CCC CODE	CONDUCTOR SIZE (MM ²)	CONTINUOUS CURRENT RATING (AMPS)	CONDUCTOR RESISTANCE (Ω)/KM	ARMOUR RESISTANCE (Ω)/KM	3 PHASE VOLTAGE DROP ON FULL LOAD MV/A/M
TYPE214X2/5	2.5	28	8.21	4.2	13.5
TYPE214X4	4	37	5.09	3.9	10
TYPE214X6	6	46	3.39	2.0	6.8
TYPE214X10	10	63	1.95	1.9	4.0
TYPE214X16	16	85	1.24	1.7	2.5
TYPE214X25	25	110	0.795	1.5	1.65
TYPE214X35	35	135	0.565	1.1	1.20
TYPE214X50	50	170	0.393	0.96	0.84
TYPE214X70	70	205	0.277	0.80	0.61
TYPE214X95	95	250	0.210	0.73	0.47
TYPE214X120	120	295	0.164	0.47	0.38
TYPE214X150	150	320	0.132	0.41	0.30

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. We believe the information is correct at the time of publication.