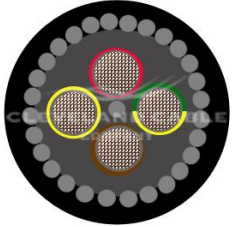


## BS 6708 TYPE 321 MINING CABLE 3300V



### APPLICATION

Cleveland Cable Company can supply a range of mine and quarry cable. Type 321 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

### CABLE STANDARDS

BS 6708

### CONSTRUCTION

#### CONDUCTOR :

Electrolytic, stranded, tinned copper wire IEC 60228 Class 5

#### INSULATION :

Ethylene propylene rubber (EPR)

#### LAYUP :

All cores are laid up in contact with each other.

#### BEDDING :

Rubber based bedding compound.

#### ARMOUR :

Galvanized steel pliable armour.

#### OUTER SHEATH :

Heavy duty chloroprene outer sheath.

### CHARACTERISTICS

#### Voltage Rating

1900V to 3300V

#### Temperature Rating

Fixed: -20°C to +85°C

#### Minimum Bending Radius

As per cable manufacturer datasheet

#### Core Identification

Three phase cores and one earth core, all unscreened, 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 321 MINING CABLE 1100V – DIMENSIONS

CCC CODE	PHASE CONDUCTOR SIZE (MM <sup>2</sup> )	NO OF PHASE CORES	PHASE CONDUCTOR STRANDING (MM)	MINIMUM BENDING RADIUS (MM)	WEIGHT (Kg/Km)	MAX OVERALL DIAMETER (MM)
TYPE3213X35	35	4	276/0.40	370	6650	60.0
TYPE3213X50	50	4	396/0.40	414	8800	67.7
TYPE3213X70	70	4	360/0.50	470	10380	74.0
TYPE3213X95	95	4	475/0.50	529	15350	84.9
TYPE3213X120	120	4	608/0.50	580	18200	89.3

## BS 6708 TYPE 321 MINING CABLE 1100V - ELECTRICAL CHARACTERISTICS

CCC CODE	CONTINUOUS CURRENT RATING (AMPS)	PHASE CONDUCTOR RESISTANCE (Ω)/KM	ARMOUR RESISTANCE (Ω)/KM	NOMINAL REACTANCE AT 50HZ (Ω)/KM	NOMINAL REACTANCE AT 60HZ (Ω)/KM	INSULATION RESISTANCE AT 20°C M(Ω)/KM	3 PHASE VOLTAGE DROP ON FULL LOAD MV/A/M
TYPE3213X35	135	0.565	1.0	0.101	0.121	325	1.20
TYPE3213X50	170	0.393	0.80	0.098	0.118	285	0.84
TYPE3213X70	205	0.277	0.53	0.095	0.114	260	0.61
TYPE3213X95	250	0.210	0.40	0.094	0.113	250	0.47
TYPE3213X120	295	0.164	0.32	0.092	0.110	250	0.38

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.