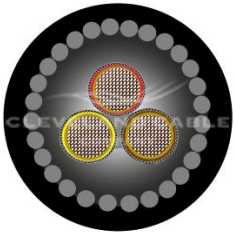


## BS 6708 TYPE 20 MINING CABLE 1100V



### APPLICATION

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.

### 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

Three 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 20 MINING CABLE 1100V – DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	NO OF PHASE CORES	CONDUCTOR STRANDING (MM)	MINIMUM BENDING RADIUS (MM)	WEIGHT (Kg/Km)	MAX OVERALL DIAMETER (MM)
TYPE203X2/5	2.5	3	50/0.25	243	990	26.9
TYPE203X4	4	3	56/0.30	254	1150	28.2
TYPE203X6	6	3	84/0.30	329	2000	36.5
TYPE203X10	10	3	80/0.40	346	2350	38.4
TYPE203X16	16	3	126/0.4	368	2750	40.8
TYPE203X25	25	3	196/0.40	423	3350	47.0
TYPE203X35	35	3	276/0.40	456	4300	50.6
TYPE203X50	50	3	396/0.40	511	5320	56.7
TYPE203X70	70	3	360/0.50	565	6750	62.7
TYPE203X95	95	3	475/0.50	649	8750	72.1
TYPE203X120	120	3	629/0.50	693	10650	77.0
TYPE203X120	150	3	740/0.50	786	12500	87.3

## BS 6708 TYPE 20 MINING CABLE 1100V - ELECTRICAL CHARACTERISTICS

CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	CONTINUOUS CURRENT RATING (AMPS)	CONDUCTOR RESISTANCE (Ω)/KM	ARMOUR RESISTANCE (Ω)/KM	3 PHASE VOLTAGE DROP ON FULL LOAD MV/A/M
TYPE203X2/5	2.5	28	8.21	4.2	
TYPE203X4	4	37	5.09	3.9	10
TYPE203X6	6	46	3.39	2.0	6.8
TYPE203X10	10	63	1.95	1.9	6.8
TYPE203X16	16	85	1.24	1.7	2.5
TYPE203X25	25	110	0.795	1.5	1.65
TYPE203X35	35	135	0.565	1.1	1.20
TYPE203X50	50	170	0.393	0.96	0.84
TYPE203X70	70	205	0.277	0.80	0.61
TYPE203X95	95	250	0.210	0.73	0.47
TYPE203X120	120	295	0.164	0.47	0.38
TYPE203X150	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.