

BS6708 Type 20 Mining Cable EPR, SWA, CP - 2.5mm² to 150mm²



Description

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.

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

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

Standards

- BS EN/IEC 60228
- BS 6708

Construction

- Conductor: Class 5 Flexible 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

QA Lab

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. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.







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 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 20 Mining Cable EPR, SWA, CP - 2.5mm² to 150mm² - Dimensions

| Reference | Conductor Size (mm2) | No Of Cores | Stranding(mm) | Max Overall Dia | Minimum Bending Radius | Weight(Kg/Km) |
|-------------|----------------------|-------------|---------------|-----------------|---------------------------|---------------|
| TYPE203X2/5 | 2.5 | 3 | 50/0.25 | 26.9 | 243 | 990 |
| TYPE203X4 | 4 | 3 | 56/0.30 | 28.2 | 254 | 1150 |
| TYPE203X6 | 6 | 3 | 84/0.30 | 36.5 | 329 | 2000 |
| TYPE203X10 | 10 | 3 | 80/0.40 | 38.4 | 346 | 2350 |
| TYPE203X16 | 16 | 3 | 126/0.40 | 40.8 | 368 | 2750 |
| TYPE203X25 | 25 | 3 | 196/0.40 | 47 | 423 | 3350 |
| TYPE203X35 | 35 | 3 | 276/0.40 | 50.6 | 456 | 4300 |
| TYPE203X50 | 50 | 3 | 396/0.40 | 56.7 | 511 | 5320 |
| TYPE203X70 | 70 | 3 | 360/0.50 | 62.7 | 565 | 6750 |
| TYPE203X95 | 95 | 3 | 475/0.50 | 72.1 | 649 | 8750 |
| TYPE203X120 | 120 | 3 | 629/0.50 | 77 | 693 | 10650 |
| TYPE203X150 | 150 | 3 | 740/0.50 | 87.3 | 786 | 12500 |



















CENELEC

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 |
|----------------|-----------------|------------------------------|-------------------------|-------------------|--------------------------------------|
| (MM²) | | (AMPS) | (Ω/KM) | (Ω/KM) | (MV/A/M) |
| 2.5 | 3 | 28 | 8.21 | 4.2 | 13.5 |
| 4 | 3 | 37 | 5.09 | 3.9 | 10 |
| 6 | 3 | 46 | 3.39 | 2 | 6.8 |
| 10 | 3 | 63 | 1.95 | 1.9 | 6.8 |
| 16 | 3 | 85 | 1.24 | 1.7 | 2.5 |
| 25 | 3 | 110 | 0.795 | 1.5 | 1.65 |
| 35 | 3 | 135 | 0.565 | 1.1 | 1.20 |
| 50 | 3 | 170 | 0.393 | 0.96 | 0.84 |
| 70 | 3 | 205 | 0.277 | 0.80 | 0.61 |
| 95 | 3 | 250 | 0.210 | 0.73 | 0.47 |
| 120 | 3 | 295 | 0.164 | 0.47 | 0.38 |
| 150 | 3 | 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. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

















