

## BS6708 Type 321 Mining Cable - EPR, SWA, CP -35mm<sup>2</sup> to 120mm<sup>2</sup>



### Description

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.

### Key Features



**Voltage Rating**  
1900/3300 Volts



**Minimum Bending Radius**  
12 x Overall Diameter



**Temperature Limits**  
Temperature Range: -20°C to +85°C

### Standards

- BS 6708

### Construction

- **Conductor:** Class 5 tinned copper
- **Insulation:** Ethylene Propylene Rubber (EPR)
- **Bedding:** Rubber based bedding compound
- **Screen:** Tinned copper / Nylon braided screen over phase cores. Ground core is not screened.
- **Layup:** All cores are laid up in contact with each other.
- **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.



### CPR

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.



### ecovadis

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 321 Mining Cable - EPR, SWA, CP -35mm<sup>2</sup> to 120mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm2)	Phase Conductor Size	No Of Cores	Unscreened Earth Conductor Size	Stranding(mm)	No of Phase Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km )
TYPE3213X35	35	3	3	276/0.4	276/0.40	4	6650	60	6650
TYPE3213X50	50	3	3	396/0.4	396/0.40	4	8800	67.7	8800
TYPE3213X70	70	3	3	360/0.5	360/0.50	4	10380	74	10380
TYPE3213X95	95	3	3	475/0.5	475/0.50	4	15350	84.9	15350
TYPE3213X120	120	3	3	608/0.5	608/0.50	4	18200	89.3	18200

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

CONDUCTOR SIZE	NUMBER OF CORES	CONTINUOUS CURRENT RATING	PHASE CONDUCTOR RESISTANCE	ARMOUR RESISTANCE	NOMINAL REACTANCE AT 50HZ	NOMINAL REACTANCE AT 60HZ	INSULATION RESISTANCE AT 20°C	3 PHASE VOLTAGE DROP ON FULL LOAD
(MM <sup>2</sup> )		(AMPS)	(Ω/KM)	(Ω/KM)	(Ω/KM)	(Ω/KM)	(MΩ/KM)	(MV/A/M)
35	3	135	0.565	1.0	0.101	0.121	325	1.20
50	3	170	0.393	0.80	0.098	0.118	285	0.84
70	3	205	0.277	0.53	0.095	0.114	260	0.61
95	3	250	0.210	0.40	0.094	0.113	250	0.47
120	3	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. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.