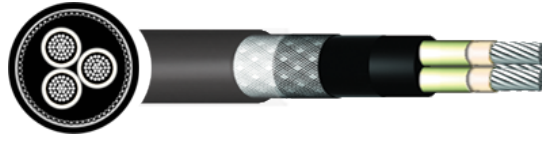


## BS7917 Fire Resistant Cable MGT, SWB, LSZH - 1.5mm to 16mm



### Description

658\*<sup>2</sup>TQ Marine and offshore MICA Glass Tape, EPR, armoured cable. MICA Glass Tape cable, is perfect for permanent wiring on essential circuits on ships and also mobile or fixed offshore platforms.

### Key Features



**Voltage Rating**  
600/1000 Volts



**Minimum Bending Radius**  
Up to 25mm<sup>2</sup>: 6 x overall diameter  
Above 25mm<sup>2</sup>: 8 x overall diameter



**Flame Retardancy**  
BS EN/IEC 60332-3-22



**Temperature Limits**  
Temperature Range: -40 to 90°C

### Core Colours

White

### Standards

- BS 7917
- BS EN/IEC 60332-1
- BS EN/IEC 60228
- BS EN/IEC 60754-1
- BS EN/IEC 61034
- BS EN/IEC 60332-3-22

### Construction

- **Conductor:** Class 2 stranded tinned copper
- **Insulation:** Ethylene Propylene Rubber (EPR)
- **Separator:** Polyester Tape (PET)
- **Inner Sheath:** SW4 Low smoke zero Halogen (LSZH)
- **Armour:** Galvanised Steel Wire Braid (GSWB)
- **Sheath:** SW4 Low smoke zero Halogen (LSZH)
- **Tape Separator:** Polyester wrapping (PET) with rubberised Polyamide tape

### 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

## BS7917 Fire Resistant Cable MGT, SWB, LSZH - 1.5mm to 16mm - Dimensions

| Reference       | Conductor Size (mm <sup>2</sup> ) | No Of Cores | Stranding(mm) | UKOOA Code | Overall Diameter(mm) | Weight(Kg/Km) |
|-----------------|-----------------------------------|-------------|---------------|------------|----------------------|---------------|
| 6582TQ1/5MGT    | 1.5                               | 2           | 7/0.53        | YD202      | 13.3                 | 300           |
| 6583TQ1/5MGT    | 1.5                               | 3           | 7/0.53        | YD302      | 13.8                 | 325           |
| 6584TQ1/5MGT    | 1.5                               | 4           | 7/0.53        | YD402      | 15                   | 395           |
| 6587TQ1/5MGT    | 1.5                               | 7           | 7/0.53        | YD702      | 17.2                 | 525           |
| 6580/12TQ1/5MGT | 1.5                               | 12          | 7/0.53        | YDA02      | 21.7                 | 790           |
| 6580/19TQ1/5MGT | 1.5                               | 19          | 7/0.53        | YDB02      | 24.7                 | 1090          |
| 6580/27TQ1/5MGT | 1.5                               | 27          | 7/0.53        | YDC02      | 29.3                 | 1515          |
| 6582TQ2/5MGT    | 2.5                               | 2           | 7/0.67        | YD203      | 14.2                 | 350           |
| 6583TQ2/5MGT    | 2.5                               | 3           | 7/0.67        | YD303      | 15                   | 400           |
| 6584TQ2/5MGT    | 2.5                               | 4           | 7/0.67        | YD403      | 16.1                 | 470           |
| 6587TQ2/5MGT    | 2.5                               | 7           | 7/0.67        | YD703      | 18.5                 | 365           |
| 6580/12TQ2/5MGT | 2.5                               | 12          | 7/0.67        | YDA03      | 23.9                 | 990           |
| 6580/19TQ2/5MGT | 2.5                               | 19          | 7/0.67        | YDB03      | 27.6                 | 1390          |
| 6580/27TQ2/5MGT | 2.5                               | 27          | 7/0.67        | TDC03      | 33.2                 | 1990          |
| 6583TQ4MGT      | 4                                 | 3           | 7/0.85        | YD304      | 17.3                 | 530           |
| 6584TQ4MGT      | 4                                 | 4           | 7/0.85        | YD404      | 18.4                 | 585           |
| 6583TQ6MGT      | 6                                 | 3           | 7/1.04        | YD306      | 18.7                 | 635           |
| 6584TQ6MGT      | 6                                 | 4           | 7/1.04        | NONE       | 20.1                 | 760           |
| 6583TQ10MGT     | 10                                | 3           | 7/1.35        | YD310      | 22.4                 | 930           |
| 6584TQ10MGT     | 10                                | 4           | 7/1.35        | NONE       | 24                   | 966           |
| 6583TQ16MGT     | 16                                | 3           | 7/1.70        | NONE       | 24.9                 | 1600          |
| 6584TQ16MGT     | 16                                | 4           | 7/1.70        | NONE       | 26.9                 | 1500          |

## UK00A/BS7917 MGT MARINE CABLE - ELECTRICAL PROPERTIES

| NOMINAL CROSS SECTIONAL AREA | MUTUAL CAPACITANCE                 |   |   | MINIMUM INSULATION RESISTANCE AT 20°C | MAXIMUM L/R RATIO | MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C |
|------------------------------|------------------------------------|---|---|---------------------------------------|-------------------|---|
|                              | CABLES WITH COLLECTIVE SCREEN ONLY | 1 PAIR, 2 PAIRS OR 1 TRIPLE COLLECTIVELY SCREENED | CABLES WITH INDIVIDUALLY SCREENED PAIRS |                                       |                   |   |
| (MM <sup>2</sup> )           | pF/m                               | pF/m  | pF/m                                    | mΩ/KM                                 | μH/Ω              | Ω/KM                                    |
| 0.50                         | 75                                 | 115.00  | 115                                     | >5                                    | 25                | 39                                      |
| 0.75                         | 75                                 | 115.00  | 115                                     | >5                                    | 25                | 26                                      |
| 1.00                         | 75                                 | 115.00  | 115                                     | >5                                    | 25                | 18.1                                    |
| 1.50                         | 85                                 | 120.00  | 120                                     | >5                                    | 40                | 12.1                                    |

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.