

OFFSHORE CABLES

U-8RW4FRT (C)

CU/MGT/EPR/OS/SW4

BS 6883, BS 7917 / Fire Resistant, Halogen Free, Flame Retardant, Low Smoke



»» Construction

- | | | |
|---|---------------------|---|
| 1 | Conductor | : Tinned stranded copper in accordance with IEC 60228 CL2, CL5 |
| 2 | Mica Tape | : Helically applied fire resistant tape |
| 3 | Insulation | : Ethylene Propylene Rubber (EPR), GP4 in accordance with BS 7655-1.2 |
| 4 | Tape | : Polyester tape |
| 5 | Wire | : Tinned copper drain wire |
| 6 | Tape | : Metal coated polyester tape |
| 7 | Outer Jacket | : Halogen free extruded compound, SW4 in accordance with BS 7655-2.6 |

»» Technical Features

- | | |
|--|-----------------------------|
| Max. Operating Temperature | : 90 °C |
| Rated Voltage | : 250 V |
| Design Guidelines | : BS 6883 |
| Halogen Free Properties | : IEC 60754-1 & IEC 60754-2 |
| Low Smoke Emission Flame | : IEC 61034-1 & IEC 61034-2 |
| Low Smoke Emission Flame Retardancy | : IEC 60332-1 |
| Flame Propagation | : IEC 60332-3-22 Cat. A |
| Fire Endurance | : IEC 60331-21 |

»» Marking

ÜNİKA (yy) U-8RW4FRT (C) CU/MGT/EPR/OS/SW4 (..)x(..) mm² 0,6/1 kV BS 6883:1999 & IEC 60332-3-22 Cat. A & IEC 60331-21 XX MT

»» Application

Used in ship and sea vehicles for telecommunication and signal applications, screened against electromagnetic interferences.

U-8RW4FRT (C) TECHNICAL DATA SHEET

| Item | TYPE | Cross-section (mm ²) | Weight (approx.) (kg/km) | Outer Diameter (approx.) (mm) | MCDR at 20 °C (Ω/km) | Inductance (approx.) (mH/km) | Capacitance (approx.) (nF/km) | L/R ratio (μH/Ω) | Rated Voltage (V) | MCCC CT at 90 °C AT at 45 °C (A) |
|------|---------------|----------------------------------|--------------------------|-------------------------------|----------------------|------------------------------|-------------------------------|------------------|-------------------|----------------------------------|
| 1. | | 3 x 2 x 0,75 | 273 | 14,4 | 24,8 | 0,74 | 92 | 30 | | 8 |
| 2. | | 7 x 2 x 0,75 | 563 | 19,3 | 24,8 | 0,74 | 92 | 30 | | 7 |
| 3. | | 12 x 2 x 0,75 | 938 | 26,0 | 24,8 | 0,74 | 92 | 30 | | 7 |
| 4. | | 20 x 2 x 0,75 | 1505 | 32,6 | 24,8 | 0,74 | 92 | 30 | | 5 |
| 5. | | 27 x 2 x 0,75 | 1989 | 37,4 | 24,8 | 0,74 | 92 | 30 | | 5 |
| 6. | | 37 x 2 x 0,75 | 2678 | 42,3 | 24,8 | 0,74 | 92 | 30 | | 5 |
| 7. | | 3 x 2 x 1 | 308 | 15,0 | 18,2 | 0,75 | 107 | 41 | | 10 |
| 8. | U-8RW4FRT (C) | 7 x 2 x 1 | 638 | 20,2 | 18,2 | 0,75 | 107 | 41 | | 9 |
| 9. | | 12 x 2 x 1 | 1063 | 27,2 | 18,2 | 0,75 | 107 | 41 | | 9 |
| 10. | | 20 x 2 x 1 | 1709 | 34,1 | 18,2 | 0,75 | 107 | 41 | 250 | 6 |
| 11. | | 27 x 2 x 1 | 2282 | 39,4 | 18,2 | 0,75 | 107 | 41 | | 6 |
| 12. | | 37 x 2 x 1 | 3073 | 44,6 | 18,2 | 0,75 | 107 | 41 | | 6 |
| 13. | | 3 x 3 x 0,75 | 326 | 16,3 | 24,8 | 0,74 | 92 | 30 | | 7 |
| 14. | | 7 x 3 x 0,75 | 658 | 21,7 | 24,8 | 0,74 | 92 | 30 | | 7 |
| 15. | | 12 x 3 x 0,75 | 1113 | 29,5 | 24,8 | 0,74 | 92 | 30 | | 5 |
| 16. | 3 x 3 x 1 | 369 | 17,0 | 18,2 | 0,75 | 107 | 41 | | 9 | |
| 17. | 7 x 3 x 1 | 763 | 22,9 | 18,2 | 0,75 | 107 | 41 | | 9 | |
| 18. | 12 x 3 x 1 | 1271 | 30,9 | 18,2 | 0,75 | 107 | 41 | | 6 | |

MCCC: maximum Current Carrying Capacity / **CT:** Conductor Temperature / **AT:** Ambient Temperature / **MCDR:** Max. Conductor Dc Resistance