

U-8RW4FRGT (I)

CU/MGT/EPR/IS/SW4/GSWB/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 | Tape | : Polyester tape |
| 8 | Inner Jacket | : Halogen free extruded compound, SW4 in accordance with BS 7655-2.6 |
| 9 | Armour | : Steel wire braid in accordance with BS 6883 |
| 10 | 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-8RW4FRGT (I) CU/MGT/EPR/IS/SW4/GSWB/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-8RW4FRGT (I) TECHNICAL DATA SHEET

| Item | TYPE | Cross-section (mm ²) | UKOOA | 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. | | 1 x 2 x 0,75 | GKF00 | 254 | 12,8 | 24,8 | 0,74 | 92 | 30 | | 13 |
| 2. | | 3 x 2 x 0,75 | GKH00 | 556 | 20,1 | 24,8 | 0,74 | 92 | 30 | | 8 |
| 3. | | 7 x 2 x 0,75 | GKJ00 | 990 | 26,0 | 24,8 | 0,74 | 92 | 30 | | 7 |
| 4. | | 12 x 2 x 0,75 | GKK00 | 1566 | 33,9 | 24,8 | 0,74 | 92 | 30 | | 7 |
| 5. | | 20 x 2 x 0,75 | GKL00 | 2557 | 42,7 | 24,8 | 0,74 | 92 | 30 | | 5 |
| 6. | | 27 x 2 x 0,75 | GKM00 | 3276 | 48,6 | 24,8 | 0,74 | 92 | 30 | | 5 |
| 7. | | 37 x 2 x 0,75 | GKN00 | 4242 | 54,5 | 24,8 | 0,74 | 92 | 30 | | 5 |
| 8. | | 1 x 2 x 1 | GKF01 | 272 | 13,2 | 18,2 | 0,75 | 107 | 41 | | 15 |
| 9. | | 3 x 2 x 1 | GKH01 | 617 | 21,0 | 18,2 | 0,75 | 107 | 41 | | 10 |
| 10. | | 7 x 2 x 1 | GKJ01 | 1095 | 27,0 | 18,2 | 0,75 | 107 | 41 | | 9 |
| 11. | | 12 x 2 x 1 | GKK01 | 1896 | 36,3 | 18,2 | 0,75 | 107 | 41 | | 9 |
| 12. | | 20 x 2 x 1 | GKL01 | 2870 | 44,6 | 18,2 | 0,75 | 107 | 41 | | 6 |
| 13. | | 27 x 2 x 1 | GKM01 | 3713 | 50,9 | 18,2 | 0,75 | 107 | 41 | | 6 |
| 14. | | 37 x 2 x 1 | GKN01 | 4818 | 57,2 | 18,2 | 0,75 | 107 | 41 | | 6 |
| 15. | U-8RW4FRGT (I) | 1 x 3 x 0,75 | GKR00 | 274 | 13,4 | 24,8 | 0,74 | 92 | 30 | 250 | 11 |
| 16. | | 3 x 3 x 0,75 | GKS00 | 650 | 22,3 | 24,8 | 0,74 | 92 | 30 | | 7 |
| 17. | | 7 x 3 x 0,75 | GKT00 | 1156 | 29,0 | 24,8 | 0,74 | 92 | 30 | | 7 |
| 18. | | 12 x 3 x 0,75 | GKU00 | 1970 | 38,6 | 24,8 | 0,74 | 92 | 30 | | 5 |
| 19. | | 1 x 3 x 1 | GKR01 | 303 | 14,0 | 18,2 | 0,75 | 107 | 41 | | 13 |
| 20. | | 3 x 3 x 1 | GKS01 | 711 | 23,1 | 18,2 | 0,75 | 107 | 41 | | 9 |
| 21. | | 7 x 3 x 1 | GKT01 | 1282 | 30,0 | 18,2 | 0,75 | 107 | 41 | | 9 |
| 22. | | 12 x 3 x 1 | GKU01 | 2213 | 40,3 | 18,2 | 0,75 | 107 | 41 | | 6 |
| 23. | | 1 x 4 x 0,75 | GKX00 | 314 | 14,4 | 24,8 | 0,92 | 65 | 37 | | 11 |
| 24. | | 3 x 4 x 0,75 | GKY00 | 773 | 25,3 | 24,8 | 0,92 | 65 | 37 | | 7 |
| 25. | | 7 x 4 x 0,75 | GKZ00 | 1491 | 33,7 | 24,8 | 0,92 | 65 | 37 | | 6 |
| 26. | | 1 x 4 x 1 | GKX01 | 337 | 14,9 | 18,2 | 0,97 | 76 | 53 | | 13 |
| 27. | | 3 x 4 x 1 | GKY01 | 860 | 26,5 | 18,2 | 0,97 | 76 | 53 | | 9 |
| 28. | | 7 x 4 x 1 | GKZ01 | 1668 | 35,2 | 18,2 | 0,97 | 76 | 53 | | 8 |

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