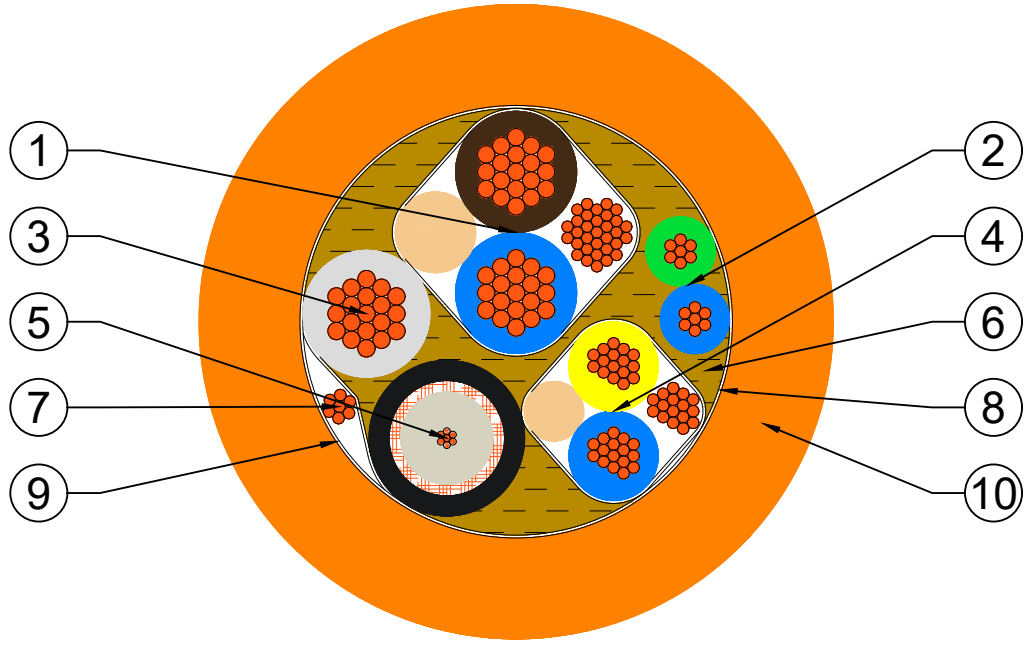


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| CABLE ATTRIBUTES | APPROX. |
|--|--------------|
| NOMINAL OVERALL DIAMETER | 11.0 mm |
| NOMINAL RADIAL THICKNESS OF OUTER SHEATH | 1.75 mm |
| NOMINAL LAID UP DIAMETER OF CABLE | 7.5 mm |
| WEIGHT OF CABLE IN AIR (APPROX.) | 177 kg/km |
| WEIGHT OF CABLE IN SEAWATER (APPROX.) | 80 kg/km |
| WEIGHT OF CABLE IN FRESHWATER (APPROX.) | 82 kg/km |
| AMBIENT OPERATING TEMPERATURE RANGE | -20 to 60 °C |
| MAXIMUM CONDUCTOR TEMPERATURE | 70 °C |
| MINIMUM RECOMMENDED STATIC BEND RADIUS | 88 mm |
| MINIMUM RECOMMENDED DYNAMIC BEND RADIUS | 132 mm |
| MAXIMUM CONTINUOUS LENGTH | 900 m |
| MAXIMUM HYDROSTATIC WORKING PRESSURE | 4500 PSI |

| ITEM | QTY. | DESCRIPTION |
|------|------|--|
| 1 | 1 | 1.34 mm ² M.D.P.E. INSULATED, TWISTED SCREENED PAIR |
| 2 | 1 | 0.22 mm ² M.D.P.E. INSULATED, TWISTED PAIR |
| 3 | 1 | 1.34 mm ² M.D.P.E. INSULATED CONDUCTOR |
| 4 | 1 | 0.5 mm ² M.D.P.E. INSULATED, TWISTED SCREENED PAIR |
| 5 | 1 | 75 Ω, RG179 COAXIAL |
| 6 | A/R | WATER BLOCKING COMPOUND |
| 7 | 1 | 0.22 mm ² DRAIN WIRE |
| 8 | A/R | POLYESTER TAPE |
| 9 | A/R | ALUMINIUM / POLYESTER TAPE |
| 10 | A/R | POLYURETHANE SHEATH (R.T. 1.75 mm) |



O.D. 11.0 mm ±0.5 mm

DESCRIPTION :

1 TWISTED SCREENED PAIR (1.34 mm², STRANDED TINNED COPPER, MEDIUM DENSITY POLYETHYLENE INSULATION, ALUMINIUM TAPE + 1.34 mm², STRANDED TINNED COPPER DRAIN WIRE INDIVIDUAL SCREEN) + 1 TWISTED SCREENED PAIR (0.5 mm², CLASS 5 STRANDED TINNED COPPER, MEDIUM DENSITY POLYETHYLENE INSULATION, ALUMINIUM TAPE + 0.5 mm², STRANDED TINNED COPPER DRAIN WIRE INDIVIDUAL SCREEN) + 1 TWISTED PAIR (0.22 mm², STRANDED TINNED COPPER, MEDIUM DENSITY POLYETHYLENE INSULATION) + 1 CORE (1.34 mm², STRANDED TINNED COPPER, MEDIUM DENSITY POLYETHYLENE INSULATION) + 1 COAXIAL (75 Ω, RG 179) + WATER BLOCKING COMPOUND + COLLECTIVE SCREEN (ALUMINIUM TAPE + 0.22 mm², STRANDED TINNED COPPER DRAIN WIRE) + POLYURETHANE SHEATH (RADIAL THICKNESS 1.75 mm)

| ELECTRICAL CHARACTERISTICS | | | |
|---------------------------------------|-----------------------|----------------------|----------------------|
| CORE CROSS SECTIONAL AREA | 1.34 mm ² | 0.5 mm ² | 0.22 mm ² |
| MAX CONDUCTOR RESISTANCE @ 20°C | 14.9 Ω/km | 40.1 Ω/km | 92.0 Ω/km |
| VOLTAGE RATING | 90 V AC | 300 V AC | 440 V R.M.S. |
| ROUTINE TEST VOLTAGE | 0.75 kV AC/ 1.5 kV DC | 1.0 kV AC/ 2.0 kV DC | 1.34 kV AC |
| VOLTAGE TEST DURATION | 1 MINUTE | 1 MINUTE | 5 MINUTES |
| AC SPARK TEST VOLTAGE | 5 kV | 5 kV | 5 kV |
| CURRENT RATING IN FREE AIR @ 30°C | 11 A | 3 A | 1 A |
| INSULATION RESISTANCE 20°C @ 500 V DC | > 152 MΩ.km | > 212 MΩ.km | > 30 MΩ.km |

| ELECTRICAL CHARACTERISTICS | |
|---------------------------------|--------------|
| COAXIAL TYPE | RG 179 |
| CHARACTERISTIC IMPEDANCE | 75 Ω |
| MAX CONDUCTOR RESISTANCE @ 20°C | <239.5 Ω/km |
| CAPACITANCE | 54 ±5 pF/m |
| VELOCITY OF PROPAGATION | 82% |
| ATTENUATION @ 10 MHz | 6.0 dB/100m |
| ATTENUATION @ 100 MHz | 19.5 dB/100m |
| ATTENUATION @ 200 MHz | 28.0 dB/100m |

| ISSUE | D.R.F. | MODIFICATION | DRAWN | DATE | CHKD | APPD | DRG. STATUS |
|-------|--------|-----------------------------|-------|----------|------|------|---|
| 23 | 13529 | NEW COLOUR TEMPLATE | S.M. | 24.07.19 | I.S. | R.Z. | "CAD" DRAWING - REVISE AT SOURCE - DO NOT SCALE |
| 22 | 11012 | WEIGH TEST RESULT ADDED | I.S. | 17.06.16 | S.M. | A.S. | |
| 21 | 10604 | PRESSURE TEST RESULT ADDED | I.S. | 15.01.16 | S.M. | A.S. | |
| 20 | 10273 | AMEND COAX COMPONENT | I.S. | 03.09.15 | S.M. | A.S. | |
| 19 | 9929 | NEW TEMPLATE, UPDATE DESIGN | I.S. | 22.04.15 | S.M. | A.S. | |
| 18 | 7673 | PRODUCTION RECORDS UPDATE | M.G. | 20.03.12 | I.S. | D.B. | |
| 17 | 7450 | TOLERANCE AMENDED | M.G. | 13.12.11 | I.S. | C.P. | |
| 16 | 5454 | PRODUCTION RECORDS UPDATE | M.G. | 10.03.19 | I.S. | D.H. | DRG. STATUS |

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| | |
|-------|---|
| TITLE | 1 T.S.P. (1.34 mm ²) + 1 T.S.P. (0.5 mm ²) + 1 T.P. (0.22 mm ²) + 1 CORE (1.34 mm ²) + 1 COAX (75 OHM) + WATER BLOCK + SCREEN + POLYURETHANE SHEATH |
|-------|---|

| | | |
|----------|---------------|---------------|
| DRG. No. | ACTIVE | CS 382 |
|----------|---------------|---------------|

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