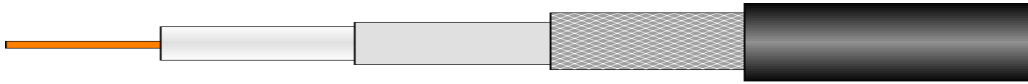


RF COAX 50 OHM - TZC 500 32

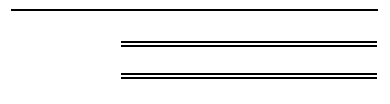
PLU030417

**CABLE CONSTRUCTION**

|                        |  |
|------------------------|--|
| INNER CONDUCTOR        | COPPER CLAD ALUMINIUM WIRE<br>∅ = 2.74 ± 0.10 mm |
| DIELECTRIC             | FOAM POLYETHYLENE<br>∅ = 7.25 ± 0.10 mm          |
| 1 <sup>ST</sup> SHIELD | AL BONDED TAPE (AL facing out)<br>overlap 120%   |
| 2 <sup>ND</sup> SHIELD | TINNED COPPER BRAID<br>cov. 90 ± 3%              |
| JACKET                 | BLACK PE<br>∅ = 10.20 ± 0.20 mm                  |
| PRINTING (Rev. 2)      | TZC 500 32 (week/year) + metric marking          |

**ELECTRICAL PERFORMANCE AT 20°C**

|                              |              |
|------------------------------|--------------|
| CUT-OFF FREQUENCY            | 16.2 GHz     |
| MAX OPERATING FREQUENCY      | 5,8 GHz      |
| IMPEDANCE                    | 50 ± 2 Ohm   |
| CAPACITANCE (1000±200 Hz)    | 75 ± 3 pF/m  |
| VELOCITY                     | 82%          |
| INSULATION RESISTANCE        | ≥ 10000 MOhm |
| INNER CONDUCTOR RESISTANCE   | ≤ 4,5 Ohm/km |
| OUTER CONDUCTOR RESISTANCE   | ≤ 8 Ohm/km   |
| RETURN LOSS (30 to 1500 MHz) | > 23 dB nom. |
| (1500 to 2700 MHz)           | > 16 dB nom. |
| TRANSFER IMPEDANCE 1÷50 MHz  | ≤ 10 mOhm/m  |
| VOLTAGE TEST (50 Hz X 1min.) | 1 kV rms     |
| PEAK POWER                   | 16 kW        |



**PLU030417**

JACKET SPARK  
SHIELDING EFFECTIVENESS

4000 VCA  
> 90 dB

ATTENUATION AT 20°C nom.

| Frequency |                |
|-----------|----------------|
| 30 MHz    | 2.20 dB/100 m  |
| 50 MHz    | 2.90 dB/100 m  |
| 150 MHz   | 5.00 dB/100 m  |
| 220 MHz   | 6.10 dB/100 m  |
| 450 MHz   | 8.90 dB/100 m  |
| 900 MHz   | 12.80 dB/100 m |
| 1.500 MHz | 16.80 dB/100 m |
| 1.800 MHz | 18.60 dB/100 m |
| 2.000 MHz | 19.60 dB/100 m |
| 2.500 MHz | 22.20 dB/100 m |
| 5.800 MHz | 35.50 dB/100 m |

**MECHANICAL AND ENVIRONMENTAL PERFORMANCE**

|                          |                  |
|--------------------------|------------------|
| OPERATING TEMPERATURE    | -40 °C to +85 °C |
| INSTALLATION TEMPERATURE | -20 °C to +85 °C |
| MINIMUM BEND RADIUS      |                  |
| Installation             | 35 mm            |
| Repeated                 | 50 mm            |
| CABLE WEIGHT             | 90 Kg/Km         |

