

CU **PEG** **LAS** **CS** **LSZH**
 ø 1,40 mm ø 3,80 mm ø 3,90 mm ø 4,30 mm ø 6,10 mm



| **A** | **B** | **C** | **D** | **E** |

■ HF 240 ZH 50 OHM LOW LOSS TGK COAX - HIGH PERFORMANCE BROADBAND LOW LOSS 50 OHM COAXIAL COMMUNICATION CABLE DESIGNED FOR USE IN WIRELESS APPLICATIONS IN ACCORDANCE TO: IEC 60754-1 IEC 60754-2 IEC 61034-2

MECHANICAL DATA

| | | | |
|----------|------------------------|---|---|
| A | INNER CONDUCTOR | PLAIN COPPER | ø 1,40 mm |
| B | DIELECTRIC | GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE | ø 3,80 ± 0,10 mm |
| C | SHIELD | ALL + PET + ALL ADHESIVE TAPE | h. 15 mm |
| | | - COVERAGE | 100% |
| D | BRAID | TINNED COPPER | 128 x 0,10 mm |
| | | - COVERAGE | 77% |
| E | SHEATH | FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS | ø 6,10 ± 0,10 mm |
| | - COLOUR | BLACK - RAL 9004 | |
| | - PRINTING | ## METER ## HF 240 ZH 50 OHM LOW LOSS TGK COAX LSZH 50 OHM | |
| | | 1,40 / 3,80 / 6,10 | CE 58 WEEK/YEAR EN 50575:2014 + A1:2016 Eca |

MINIMUM BENDING RADIUS (mm)

| | |
|--------------------------|------------------|
| - SINGLE | ø EXTERNAL X 5 - |
| - REPEATED | ø EXTERNAL X 10 |
| TEMPERATURE RANGE | -30 °C / +70 °C |

CABLE WEIGHT (Kg/Km) -

| | |
|------------------|------|
| COPPER | 23,3 |
| - PLASTIC | 26,7 |
| - TOTAL | 51,8 |

ELECTRICAL PROPERTIES at 20°C

| | | | |
|----------------------------|--------------|-------------------------|-------------|
| IMPEDANCE @ 200 MHz | 50 ± 1,5 Ohm | RESISTANCE | |
| | | - INNER CONDUCT. | 11,5 Ohm/Km |
| CAPACITANCE | 80 pF/m 84% | - BRAID SHEATH | 16,2 Ohm/Km |
| | | TENSION | |
| VELOCITY RATIO | | - SPARK TESTING | 4,5 kV |

ATTENUATIONS dB/100 m.

| | | dB | W |
|-----|-----|-----------|----------|
| 5 | MHz | 1,7 | 3536 |
| 10 | MHz | 2,5 | 2500 |
| 30 | MHz | 4,3 | 1443 |
| 50 | MHz | 5,5 | 1118 |
| 150 | MHz | 9,3 | 645 |
| 220 | MHz | 11,5 | 533 |

MAX. POWER RATING W

| | | dB | W |
|-------|-----|-----------|----------|
| 450 | MHz | 17,0 | 373 |
| 600 | MHz | 19,7 | 323 |
| 800 | MHz | 23,0 | 280 |
| 900 | MHz | 24,4 | 264 |
| 1 000 | MHz | 26,0 | 250 |
| 1 500 | MHz | 32,5 | 204 |

| | | dB | W |
|-------|-----|-----------|----------|
| 1 800 | MHz | 35,9 | 186 |
| 2000 | MHz | 38,7 | 177 |
| 2500 | MHz | 43,0 | 158 |
| 3000 | MHz | 47,5 | 144 |
| 5200 | MHz | 61,9 | 110 |
| 5800 | MHz | 65,2 | 104 |

STRUCTURAL RETURN LOSS dB

| | | | | | |
|-------------|-----|-----|-------------|-----|-----|
| 30 ÷ 450 | MHz | >28 | 2000 ÷ 3000 | MHz | >16 |
| 450 ÷ 1000 | MHz | >24 | 3000 ÷ 4000 | MHz | >15 |
| 1000 ÷ 2000 | MHz | >19 | 4000 ÷ 5800 | MHz | 0 |

SCREENING EFFECTIVENESS dB

| | | |
|-------------|-----|-----|
| 100 ÷ 900 | MHz | >95 |
| 900 ÷ 2000 | MHz | >85 |
| 2000 ÷ 3000 | MHz | >75 |



■ Die obigen Werte entsprechen den Angaben des Herstellers und können nicht garantiert werden. ■ The above values correspond to the manufacturer's specifications and are not guaranteed.
 ■ Wir behalten uns das Recht vor, Änderungen ohne vorherige Ankündigung vorzunehmen. ■ We reserve the right to change details without notice.
 ■ Alle anderen Größen oder andere Ausführungen auf Anfrage ■ Any other sizes or any other designs available on request.