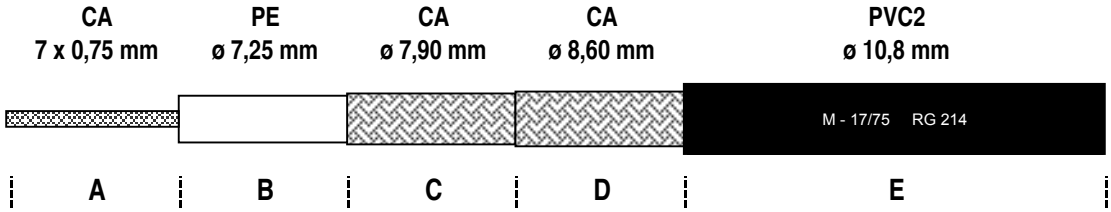
Deltron TRADING BV

# RG 214 U

## DOUBLE SCREENED 50 OHM RF COAXIAL CABLE
## MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS




## MECHANICAL DATA

| | | | |
|---|---|---|---|
| **A** | **INNER CONDUCTOR** | SILVERED COPPER | **7 x 0,75 mm** |
| **B** | **DIELECTRIC** | LOW DENSITY POLYETHYLENE | **ø 7,25 ± 0,18 mm** |
| **C** | **1° BRAID** | SILVERED COPPER | **144 x 0,16 mm** |
| | - COVERAGE | | **96%** |
| **D** | **2° BRAID** | SILVERED COPPER | **168 x 0,16 mm** |
| | - COVERAGE | | **98%** |
| **E** | **SHEATH** | NON-CONTAMINATING POLYVINYL-CHLORIDE | **ø 10,8 ± 0,18 mm** |
| | - COLOUR | **BLACK - RAL 9004** | |
| | - PRINTING | **M - 17/75 RG 214 MIL-C-17F RG 214 U 50 OHM** | |

| | | | |
|---|---|---|---|
| **MINIMUM BENDING RADIUS ( mm )** | | **CABLE WEIGHT ( Kg/Km )** | |
| - **SINGLE** | ø EXTERNAL X 5 | - **COPPER** | 117,7 |
| - **REPEATED** | ø EXTERNAL X 10 | - **PLASTIC** | 87,6 |
| **TAMPERATURE RANGE** | -30 °C / +70 °C | - **TOTAL** | 205,3 |

## ELECTRICAL PROPERTIES at 20°C

| | | | |
|---|---|---|---|
| **IMPEDANCE** | 50 ± 2 Ohm | **RESISTANCE** | |
| | | - **INNER CONDUCTOR** | 6 Ohm/Km |
| **CAPACITANCE** | 100 pF/m | - **BRAID** | 4,2 Ohm/Km |
| | | **TENSION** | |
| **VELOCITY RATIO** | 66% | - **SHEATH SPARK TESTING** | 5,5 kV |

**ATTENUATIONS dB/100 m.**

| | | dB | W |
|---|---|---|---|
| 5 | MHz | 1,3 | |
| 10 | MHz | 1,9 | |
| 50 | MHz | 4,5 | |
| 100 | MHz | 6,7 | |
| 200 | MHz | 9,9 | |
| 300 | MHz | 12,1 | |

**MAX. POWER RATING W**

| | | dB | W |
|---|---|---|---|
| 500 | MHz | 16,1 | |
| 600 | MHz | 17,8 | |
| 800 | MHz | 21,3 | |
| 1000 | MHz | 24,3 | |
| 1350 | MHz | 29,7 | |
| 1500 | MHz | 31,7 | |

| | | dB | W |
|---|---|---|---|
| 1750 | MHz | 35,2 | |
| 2150 | MHz | 40,5 | |
| 2250 | MHz | 41,5 | |
| 2500 | MHz | 44,7 | |
| 2750 | MHz | 47,9 | |
| 3000 | MHz | 51,3 | |

**STRUCTURAL RETURN LOSS dB**

| | | | | | |
|---|---|---|---|---|---|
| 30 ÷ 300 | MHz | >31 | 1000 ÷ 2000 | MHz | >24 |
| 300 ÷ 600 | MHz | >28 | 2000 ÷ 3000 | MHz | >22 |
| 600 ÷ 1000 | MHz | >27 | ….. ÷ ….. | MHz | - |

**SCREENING EFFECTIVENESS dB**

| | | |
|---|---|---|
| 100 ÷ 900 | MHz | >78 |
| 900 ÷ 2000 | MHz | - |
| 2000 ÷ 3000 | MHz | - |

**The producer reserves himself to make modification on the item without any notice.**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