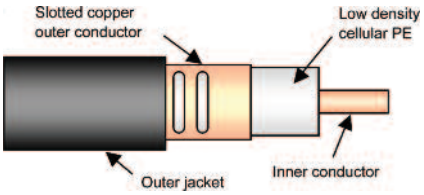
# RMC 12-CL

## PRODUCT DESCRIPTION

## RMC 12-CL-HLFR

**Reference suffix [1] : -HLFR**




**Fire behaviour**

Halogen free and flame retardant outer sheath
Low corrosive gas emission acc. to IEC 60754-2
Flame retardant acc. to IEC 60332-1 and IEC 60332-3 cat. C
Low smoke emission acc. to IEC 61034

Slots in the copper outer conductor allow a controlled portion of the internal RF energy to be radiated into the surrounding environment. Conversely, a signal transmitted near the cable will couple into the slots and be carried along the cable length.

## FEATURES and BENEFITS

- Low Fading at short Aerial to Cable distance
- Robust Cable
- Main Applications: WLAN controlled Transportation Systems
- Optimised for WLAN applications in the 2.40 - 2.485 GHz band

## TECHNICAL FEATURES

| | | |
|---|---|---|
| • Size | | 1/2" |
| • Previous Model Number | | N.A. |
| • Frequency Range | MHz | 75 - 2900 |
| • Recommended for Frequency | MHz | 2400 - 2485 |
| • Cable Type | | RMC (Radiated Mode Cable) |
| • Jacket | | HLFR (Halogen Free Low Smoke Flame Retardant) |
| • Slot Design | | Groups of Slots at short intervals |
| • Impedance | Ω | 50 +/- 3 |
| • Velocity Ratio | % | 88 |
| • Capacitance | pF/m | 76 |
| • Inner Conductor dc Resistance | Ω/1000 m (Ω/1000 ft) | 1.48 (0.45) |
| • Outer Conductor dc Resistance | Ω/1000 m (Ω/1000 ft) | 2.8 (0.85) |
| • Inner Conductor Material | | Copper clad aluminium wire |
| • Dielectric Material | | Cellular polyethylene |
| • Outer Conductor Material | | Overlapping copper foil, with slot groups, bonded to the jacket |