

# RG6 Quad Low Smoke Zero Halogen 305M Reel 06MM-E6QLSZH

## Features and Benefits

- » An RG6 metre marked Low Smoke - Zero Halogen cable with quadshielding
- » Developed due to concerns about the fire hazards of the insulation and jacketing material
- » Meets requirements for smoke index, acid gas generation, halogen content, and toxicity index
- » Sold in a 305 metre reel



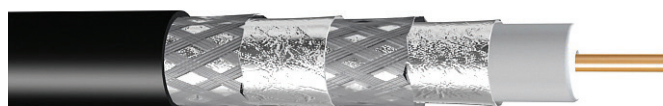
## Coaxial Cable

Matchmaster has a complete range of PAY TV and FTA approved cables for both commercial and residential applications. Matchmaster's range includes standard, flooded, messengered, Tri-Shield and Quad Shield RG6 and RG11 cable. Also available White approved RG6 Quad Shield cable for indoor use. Whatever the application Matchmaster has the cable to suit.



## Technical Data 06MM-E6QLSZH

| Construction                  |                  |                                     |
|-------------------------------|------------------|-------------------------------------|
| Inner Conductor               | Material         | Copper Clad Steel Wire              |
|                               | Diameter (mm)    | 1.02±0.01                           |
| Insulation                    | Material         | Physically Foamed PE                |
|                               | Diameter, mm     | 4.57±0.15                           |
| Outer Conductor               | 1st shield       | Bonded Al/PET/Al Tape<br>4.78 ±0.13 |
|                               | 2nd shield       | Al-Mg Alloy Wire Braid              |
|                               | 3rd shield       | Non-bonded Al/PET/Al Tape           |
|                               | 4th shield       | Al-Mg Alloy Wire Braid              |
| Jacket                        | Material         | FR PVC or PVC                       |
|                               | Diameter, mm     | 7.54±0.20                           |
| Mechanical Properties         |                  |                                     |
| Bending                       | Single           | 35                                  |
| Radius, mm                    | Typical          | 70                                  |
| Pulling Strength, N           |                  | 200                                 |
| Adhesion Force, N             |                  | >20                                 |
| Electrical Properties         |                  |                                     |
| Impedance, Ω                  |                  | 75±3                                |
| DCR of Inner conductor, Ω /km |                  | 102.0                               |
| DCR of outer conductor, Ω /km |                  | 19.1                                |
| Capacitance, pF/m             |                  | 54                                  |
| Propagation Velocity, %       |                  | 82                                  |
| DC Breakdown Voltage, kV      |                  | 5.0                                 |
| Insulation Resistance, MΩ·km  |                  | >1x10 <sup>4</sup>                  |
| Screening Attenuation, dB     | >105@5-1000MHz   |                                     |
|                               | >95@1000-2000MHz |                                     |
|                               | >85@2000-3000MHz |                                     |



## Attenuation

| Frequency MHz | Max. attenuation @20°C,dB/100m |
|---------------|--------------------------------|
| 5MHz          | 1.90                           |
| 55MHz         | 5.25                           |
| 211MHz        | 10.00                          |
| 250MHz        | 10.82                          |
| 270MHz        | 11.04                          |
| 300MHz        | 11.64                          |
| 330MHz        | 12.26                          |
| 350MHz        | 12.63                          |
| 400MHz        | 13.61                          |
| 450MHz        | 14.43                          |
| 500MHz        | 15.29                          |
| 550MHz        | 16.08                          |
| 600MHz        | 16.73                          |
| 750MHz        | 18.54                          |
| 870MHz        | 20.04                          |
| 1000MHz       | 21.49                          |
| 1300MHz       | 24.49                          |
| 1450MHz       | 25.89                          |
| 1750MHz       | 28.67                          |
| 2150MHz       | 31.79                          |
| 2600MHz       | 35.30                          |
| 2832MHz       | 37.74                          |
| 3000MHz       | 38.84                          |

## Return Loss, dB

|           |     |
|-----------|-----|
| 5-3000MHz | ≥20 |
|-----------|-----|

## Standards

|            |           |
|------------|-----------|
| 2011/65/EU | Compliant |
|------------|-----------|