

# teletronik

## RG6 T60 CCST Technical Specification

|  |               |                                 |                                       |                     |                              |
|--|---------------|---------------------------------|---------------------------------------|---------------------|------------------------------|
| <b>OBJECT</b>                              | Coaxial Cable | Brand                           | TELETRONIK AG                         |                     |                              |
| <b>GRADE</b>                               | RG6 Tri       |                                 |                                       |                     |                              |
| <b>TEST ITEMS</b>                          | <b>UNIT</b>   | <b>LIMITS</b>                   |                                       | <b>RESULT</b>       |                              |
| <b>Conductor</b>                           | mm            | 1.02                            |                                       | Copper Cover Steel  |                              |
| <b>Dielectric</b>                          |               | Thickness                       | 1.775                                 |                     | Foam polyethylene            |
|  |               | Diameter                        | 4.57                                  |                     |                              |
| <b>Outer conductor</b>                     |               | AL Tape                         | 0.050                                 |                     | Aluminum/Poly tape Bonded    |
|  |               | Braiding Coverage               | 0.12±0.005<br>×80WIRE<br>Coverage 60% |                     | 0.12mm<br>Aluminum           |
|  |               | AL TAPE                         | 0.050                                 |                     | Aluminum/Poly tape Nonbonded |
| <b>Jacket wall thickness</b>               |               | 0.76±0.15                       |                                       | PVC(White or Black) |                              |
| <b>Diameter Over Jacket</b>                |               | 7.0±0.02                        |                                       |                     |                              |
| <b>Attenuation<br/>(1000MHz, 20°C)</b>     |               | dB/100m<br><br>Network Analyzer | 5 MHz                                 | 1.9 dB ↓            |                              |
|  |               |                                 | 55MHz                                 | 5.3 dB ↓            |                              |
|  | 211 MHz       |                                 | 10.0 dB ↓                             |                     |                              |
|  | 270 MHz       |                                 | 11.0 dB ↓                             |                     |                              |
|  | 300 MHz       |                                 | 11.6 dB ↓                             |                     |                              |
|  | 330 MHz       |                                 | 12.3 dB ↓                             |                     |                              |
|  | 400 MHz       |                                 | 13.6 dB ↓                             |                     |                              |
|  | 450 MHz       |                                 | 14.4 dB ↓                             |                     |                              |
|  | 550 MHz       |                                 | 16.2 dB ↓                             |                     |                              |
|  | 750 MHz       |                                 | 19.0 dB ↓                             |                     |                              |
|  | 870 MHz       |                                 | 20.6 dB ↓                             |                     |                              |
| 1000 MHz                                   | 21.49 dB ↓    |                                 |                                       |                     |                              |
| <b>Sparker test</b>                        | AVC           | 4000                            |                                       |                     |                              |
| <b>Inner Voltage</b>                       | V             | 3000                            |                                       | Conductor to shield |                              |
| <b>Impedance</b>                           | Ω             | 75±3                            |                                       |                     |                              |
| <b>Velocity propagation</b>                | %             | 82                              |                                       |                     |                              |
| <b>V.S.W.R(Return loss)</b>                |               | 1.2 ↓ (20 dB ↑)                 |                                       | 100% swept test     |                              |
| <b>Insulation Resistance</b>               | M Ω           | 1000 ↑ (20°C)                   |                                       |                     |                              |
| <b>Capacitance</b>                         | pF/m          | 53                              |                                       |                     |                              |
| <b>Conductor &amp; Dielectric To stick</b> | kgf/m         | 1M/min                          | 2.55kgf ↑ (10.2 kgf /m)               |                     |                              |