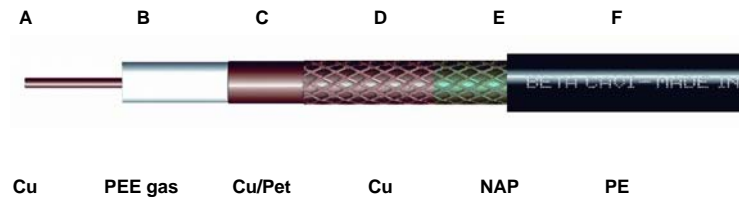




NAP 48 CU PE 75 Ohm Coaxial Cable Drop Cable



Rev. 01 March 2005



Construction and Dimensions

| | materials | dimensions mm | tolerance mm |
|--|----------------|------------------|-----------------|
| A. Inner conductor : Solid soft annealed copper | Cu | 1,13 | ±0,02 |
| B. Dielectric : Foam polyethylene gas injected | PEE gas | 4,80 | ±0,10 |
| C. Outer conductor Foil : Copper/Polyester | Cu/Pet | 100% | |
| D. Braid : Bare copper wire Coverage : Visual coverage | Cu | 40% | |
| E. Protection : NAP | NAP | | |
| F. Sheath PE UV resistant | PE | 6,80 | ±0,20 |

Electrical Characteristics

| | | |
|-------------------------------------|------|------|
| Impedance : | 75±2 | Ω |
| Capacitance : | 53±2 | pF/m |
| Velocity ratio : | 85 | % |
| Voltage test of dielectric : | 2 | kVdc |
| Voltage test of sheath : | 2 | kVdc |
| Resistance at 20° C | | |
| Inner conductor | 17 | Ω/km |
| Outer conductor | 21 | Ω/km |

Attenuation at 20° C

| MHz | dB/100m | MHz | dB/100m | MHz | dB/100m | MHz | dB/100m |
|-----|---------|------|---------|------|---------|------|---------|
| 50 | 3,8 | 862 | 16,8 | 1750 | 24,6 | 3000 | 33,1 |
| 200 | 7,8 | 1000 | 18,2 | 2150 | 27,5 | | |
| 450 | 11,9 | 1350 | 21,3 | 2400 | 29,2 | | |

Return Loss SRL

| | | |
|----------|-----|---------|
| 30-470 | MHz | > 30 dB |
| 470-862 | MHz | > 28 dB |
| 862-2400 | MHz | > 26 dB |

Screening Efficiency

| | | |
|-----------|-----|---------|
| 5-30 | MHz | > 70 dB |
| 30-1000 | MHz | > 80 dB |
| 1000-2400 | MHz | > 80 dB |

Mechanical Characteristics

| | | |
|--|----------------|-----|
| Minimum static bending radius : | 35/70 | mm |
| Total weight : | 45,00 | g/m |
| Operating temperature : | -40°C to +70°C | |

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