

Belden code: 43633

**Mechanical specifications**

- Type : MIL-C-17F RG 58
- Inner Conductor : 19x0.18 mm tinned copper
  - Diameter of the inner conductor : 0.91 mm
- Dielectric : Solid PE
- Diameter over dielectric : 2.95 mm  $\pm$  0.15 mm
- Outer Conductor : tinned copper braiding
  - Coverage braiding : 93 %

- Diameter over screen : 3.5 mm  $\pm$  0.15 mm
- Sheath : PVC
- Nominal wall thickness : 0.725 mm
- Minimum wall thickness : 0.63 mm

- Diameter over sheath : 4.95 mm  $\pm$  0.20 mm

- Marking : **BELDEN VENLO HOLLAND YYY RG 58 C/U**

- Minimum bending radius for installation : 50 mm

- Total weight : 35 g/m
- Copper contents : 18 g/m

**Electrical specifications**

- Characteristic impedance : 50  $\pm$  2  $\Omega$
- DC loop resistance :  $\leq$  51.0  $\Omega$ /km
  - DC resistance inner conductor :  $\leq$  36.0  $\Omega$ /km
  - DC resistance outer conductor :  $\leq$  15.0  $\Omega$ /km
- Capacitance : 100 pF/m
- Velocity ratio : 0.66
- Nominal Attenuation at
  - 10 Mhz : 4.7 dB/100m
  - 50 Mhz : 10.6 dB/100m
  - 100 Mhz : 15.1 dB/100m
  - 230 Mhz : 23.0 dB/100m
  - 300 Mhz : 26.5 dB/100m
  - 470 Mhz : 27.5 dB/100m
  - 600 Mhz : 29.7 dB/100m
  - 860 Mhz : 44.1 dB/100m
  - 1000 Mhz : 49.6 dB/100m
  - 1350 Mhz : 58.2 dB/100m
  - 1800 Mhz : 67.8 dB/100m
  - 2000 Mhz : 71.5 dB/100m
  - 3000 Mhz : 87.6 dB/100m

- Return loss: 100 - 400 MHz :  $\geq$  28.5 dB
  - 400 - 900 MHz :  $\geq$  23.5 dB

**Delivery information**

43633.2713.177	black	100 m $\pm$ 5 %	carton box
43633.2713.172	black	200 m $\pm$ 5 %	carton box
43633.2713.011	black	500 m $\pm$ 5 %	non returnable reel

\* Other delivery length on request