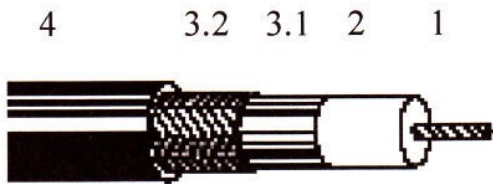


## Application

Transmission cable is used for low and high power radio frequency (RF) connections. Examples include radio antenna tower connections, CB and cellular phone antenna connections and microwave transmitter and receiver applications.

## Construction & Dimensions



1. Conductor
2. Dielectric
- 3.1 Foil
- 3.2 Braid
4. Jacket

1. **Inner Conductor** Innenleiter - Conduttore Interno - Conducteur - Conductor - Проводник  
Material stranded (19x0.28), bare copper  
Diameter 1.41 mm
2. **Dielectric** Dielektrikum - Dielettrico - Diélectrique - Dieléctrico - Диэлектрик  
Material Gas injected PE  
Diameter over insulation 3.90 mm
3. **Outer Conductor** Aussenleiter - Conduttore Esterno - Conducteur extérieur - Conductor externo - Внешний проводник  
Material foil + braid  
Diameter screen 4.5 mm
  - 3.1 Shielding foil Duofoil®  
Coverage: 100%
  - 3.2 Shielding braid tinned copper braid  
Coverage 80% ± 5%
4. **Jacket** Aussenmantel - Guaina - Gaine - Revestimiento - Оболочка  
Material PE  
Diameter: 5.40 ± 0.2 mm  
Color and text: see table Marking

## Requirements and test methods

### Electrical characteristics

Mean characteristic impedance: 50 ± 3 Ω

Wellenwiderstand - Impedenza Caratteristica Principale - Impédance nominale - Características eléctricas - Электрические характеристики

Nominal capacitance conductor to shield: 84 pF/m

Kapazitaet - Capacità Nominale Conduttore/Schermo - Capacité nominale entre conducteur et blindage - Capacitancia nominal de conductor a blindaje - Номинальная емкость "проводник-экран"

Nominal velocity of propagation: 80%

Ausbreitungsgeschwindigkeit - Velocità Nominale di Propagazione - Vitesse de propagation nominale - Velocidad nominal de propagación - Номинальная скорость распространения сигнала