BELDEN
SENDING ALL THE RIGHT SIGNALS

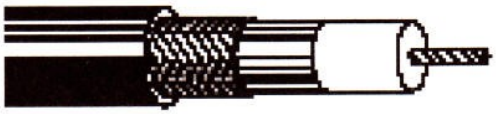
Product Datasheet
H155A01
50 Ohm Transmission

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

4 3.2 3.1 2 1



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