

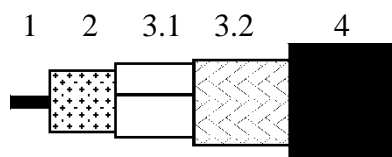
Application

Coaxial cables used with radio antenna's and in mobile communication networks.

Key features

- Flexible thin 50 Ohm coaxial cable for outdoor use.
- Test methods in accordance with European standard EN 50117-1.
- Designed according the European Standard EN 50117 operating at frequencies between 5 MHz and 2150 MHz and the International Standard IEC 1196.

Construction & Dimensions



1	Inner conductor	Soft annealed copper
2	Dielectric	Gas injected PE
3.1	Foil	AL-PET-AL
3.2	Braid	Tinned copper
4	Sheath	PVC according the European Standard HD 624

1. Inner conductor diameter:	19 x 0.28 mm
2. Dielectric diameter:	3.9 mm
3. Outer conductor diameter screen:	4.5 mm
4. Sheath diameter:	5.4 mm

Mechanical characteristics

Storage temperature:	-40°C to +80°C
Operating temperature:	-40°C to +80°C
Minimum installation temperature:	-5 °C
Minimum static bend radius:	35 mm
Total weight:	38 g/m

Electrical characteristics

Product Datasheet

P/N 46220 Rev. 1A

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Date 27-08-1998

H155 PVC



Mean characteristic impedance:	50 Ω
DC loop resistance:	≤ 32 Ω/km
DC resistance inner conductor:	≤ 15 Ω/km
DC resistance outer conductor:	≤ 17 Ω/km
Capacitance:	82 pF/m
Velocity ratio:	0.81

Screening efficiency 30-1000 MHz:	≥ 75dB
Return loss at 5-30 MHz:	≥ 22 dB*
30-470 MHz:	≥ 16 dB*

Attenuation at 5 MHz:	Nominal 3.0 dB/100m	Attenuation at 470 MHz:	Nominal 20.7 dB/100m
50 MHz:	6.5 dB/100m	860 MHz:	28.5 dB/100m
100 MHz:	9.3 dB/100m	1000 MHz:	30.9 dB/100m
230 MHz:	14.2 dB/100m	1350 MHz:	36.4 dB/100m
300 MHz:	16.3 dB/100m	1750 MHz:	41.9 dB/100m
400 MHz:	19.0 dB/100m	2050 MHz:	45.8 dB/100m

Ordering information

COLOR

Sheath: GREY

MARKING

Standard text Inkjet printing

BELDEN VENLO HOLLAND YYYY H155

Metermarking: Yes

YYYY: Year of production.

PACKAGING

Belden code	Delivery length	Remark
46220 xxxx 011	500 m ± 5%	Non returnable reel
46220 xxxx 240	1000m +- 5%	Non returnable reel

xxxx: Color code

Other color or marking on request.