H155 PE



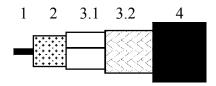
Application

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

Key features

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

Construction & Dimensions



Inner conductor
 Dielectric
 Gas injected PE
 Foil
 AL-PET-AL
 Braid
 Tinned copper

4 Sheath PE (black) according the European Standard HD 624.

Inner conductor diameter:
 Dielectric diameter:
 Outer conductor diameter screen:
 Sheath diameter:
 Mm
 mm
 mm
 mm

Mechanical characteristics

Storage temperature: -40°C to $+80^{\circ}\text{C}$ Operating temperature: -40°C to $+80^{\circ}\text{C}$

Minimum installation temperature: -5 °C
Minimum static bend radius: 35 mm
Total weight: 38 g/m

Product Datasheet

P/N 49255 Rev. 0A

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Date 27-08-1998



Electrical characteristics

50Ω
$\leq 32~\Omega/km$
$\leq 15~\Omega/km$
$\leq 17~\Omega/\mathrm{km}$
82 pF/m
0.81
≥ 75 dB
≥ 22 dB*

470-862 MHz: $\geq 16 \text{ dB*}$

H155 PE

Attenuation at	Nominal	Attenuation at	Nominal
10 MHz:	3.0 dB/100m	470 MHz:	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

PACKAGING (PUT UP)

Belden code	Delivery length	Remark
49225 xxxx 177	$100 \text{ m} \pm 2\%$	Carton box
49225 xxxx 240	1000 m ± 5%	Non returnable reel

xxxx: Color code

Note: Other packaging or lengths on request.