

### Application

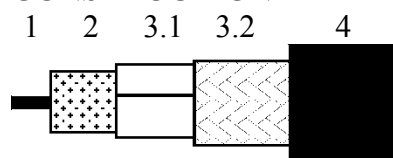
Coaxial cable used for radio frequency networks and in mobile communication networks designed according the international standard IEC 1196 and EN-50117

### Key features

- Flexible 50 Ohm coaxial cable for outdoor use
- Designed according the 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

### Construction & Dimensions

#### CONSTRUCTION



1	Inner conductor	Soft annealed copper
2	Dielectric	Gas injected PE
3.1	Foil	Copper
3.2	Braid	Copper
4	Sheath	PE [black] according the European Standard HD 624.

1. Inner conductor diameter:	2.62 mm
2. Dielectric diameter:	7.15 mm
3. Outer conductor diameter screen:	7.9 mm
4. Sheath diameter:	10.3 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:	75 mm
Total weight:	120 g/m



**Electrical characteristics**

**Electrical characteristics**

Mean characteristic impedance:	50 ± 2 Ω		
DC loop resistance:	≤ 11 Ω/km		
DC resistance inner conductor:	≤ 3.2 Ω/km		
DC resistance outer conductor:	≤ 7.9 Ω/km		
Capacitance:	80 pF/m		
Velocity ratio:	0.83 ± 0.02		
Screening efficiency 30-1000 MHz:	≥ 85 dB		
Return loss at 5- 470 MHz:	≥ 22 dB		
	470 –862 MHz :	≥ 23.5 dB	
Attenuation at	Nominal	Attenuation at	Nominal
10 MHz:	1.3 dB/100m	470 MHz:	10.0 dB/100m
50 MHz:	3.0 dB/100m	860 MHz:	14.1 dB/100m
100 MHz:	4.3 dB/100m	1000 MHz:	15.3 dB/100m
230 MHz:	6.8 dB/100m	1350 MHz:	18.3 dB/100m
300 MHz:	7.7 dB/100m	1750 MHz:	21.3 dB/100m
400 MHz:	9.1 dB/100m	2050 MHz:	23.4 dB/100m

Maximum attenuation is 10% higher.

**Ordering information**

**MARKING**

Text Inkjet printing

BELDEN VENLO HOLLAND YYYY H1000 SUPER LOW LOSS 50 OHM CABLE
---

Metermarking: Yes

YYYY: Year of production.

Other marking on request.

**PACKAGING**

Belden code	Delivery length	Remark
49025 xxxx 242	500 m ± 2%	Non returnable reel

xxxx: Color code

Other packaging or lengths on request.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Coaxial Cables](#) category:*

*Click to view products by [Belden](#) manufacturer:*

Other Similar products are found below :

[89880-003-1000](#) [633948-877-1000](#) [CY2389-000](#) [8213-010-1000](#) [8221-010-U1000](#) [8233-010-1000](#) [88281-010-500](#) [1322R-010-1000](#) [177799-000](#) [1807A-B59-U1000](#) [9167-010-1000](#) [9251-010-1000](#) [9275-010-U1000](#) [935240-000](#) [9659-010-1000](#) [980704-001](#) [CF2823-000](#) [33312-010-500](#) [CZ1589-000](#) [5022W0809-0CS3263](#) [10610-4-4](#) [EF8108-000](#) [1673B TIN100](#) [672525-001](#) [144517-000](#) [8-1616396-1](#) [8263-010-U1000](#) [8263 010U500](#) [8268-010-500](#) [8262 010U1000](#) [7915A 009U1000](#) [5024A1311-0](#) [TRC-75-1](#) [1281S5 010250](#) [1281S5 000250](#) [1530A 010U1000](#) [1505A 0081000](#) [9248 010U1000](#) [CO-142BNCX200-001](#) [7809WB 010500](#) [9244 0101000](#) [1694A 0081000](#) [9204 0101000](#) [8241F J5C1000](#) [1530A 0101000](#) [1674A TIN50](#) [7915A 0091000](#) [7915A 010500](#) [TWCH-78-2](#) [TWC-78-1](#)