

Application

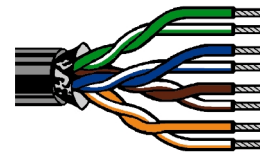
- Horizontal Patch Cable
- Support current **Category 5** applications, such as: 10 Base-T, 100 Base-T, FDDI, ATM

Standards

- General standards: **ISO/IEC 11801, EN 50173, TIA/EIA 568-A**

Construction & Dimensions

- Construction: shielded 4 twisted pairs
- Conductor: stranded bare copper (7 x 0.16 mm)
- Conductor diameter: AWG 26 (0,48 mm)
- Conductor insulation material: Foam skin Polyethylene (PE)
- Diameter over insulation: 0,95mm ± 0.05 mm
- Drainwire: Tinned copper, 18 x 0.10 mm
- Shield: Aluminium/polyester foil
- Jacket material: FRNC (Flame retardant)
- Outer diameter: 5.2 mm ± 0.2 mm



Colour code

Pair 1	White-Blue/Blue
Pair 2	White-Orange/Orange
Pair 3	White-Green/Green
Pair 4	White-Brown/Brown

Electrical characteristics (at 20 °C)

Attenuation

Frequency	1	4	10	16	20	31.25	62.5	100	MHz
Spec. (Max.) ¹⁾	0,3	0,6	1,0	1,2	1,4	1,8	2,6	3,3	dB/10m

NEXT (Near end crosstalk)

Frequency	1	4	10	16	20	31.25	62.5	100	MHz
Spec. (Min.) ¹⁾	62	53	47	44	42	40	35	32	dB

ACR

Frequency	1	4	10	16	20	31.25	62.5	100	MHz
Spec. (Min.) ¹⁾	62	52	46	43	41	38	32	29	dB/10m

¹⁾: Specification values according to cable requirements of ISO/IEC 11801

Electrical characteristics (at 20 °C)

Nominal mutual capacitance at 1 kHz	50 nF/km
Maximum conductor DCR	135 Ohm/km
NVP - Nominal Velocity of Propagation	0.75 c
SKEW – Propagation delay difference (100 MHz)	typical ≤ 40 ns/100m
Impedance 1 - 100 MHz	100 ± 15 Ohm



General and environmental characteristics

Temperature range - operation	-20°C - +60°C
Temperature range - installation	+0°C - +50°C
Minimum bending radius - operation	20 mm
Minimum bending radius - installation	40 mm
Maximum pulling tension	80 N
Flame retardancy	IEC 332-1
Energy of flame	290 kJ/m
Weight (approx.)	27 kg/km
Maximum operating voltage	48 V rms
Maximum continuous current per conductor (25°C)	1.0 A

Ordering information

MARKING

Text on the cable jacket Inkjet printing

**BELDEN 1868ENH (5) FLEX FTP CAT5 4PR AWG26 LSNH ISO/IEC 11801 EN 50173
100 OHM**

Meter marking: Yes
Production date marking: Yes

JACKET COLOUR

Colour	RAL code	Belden colour code
Grey	RAL 7032	2634
Black	RAL 9005	2635
Blue	RAL 5010	3267
Green	RAL 6016	3266
Yellow	RAL 1021	3265

PACKAGING (PUT UP)

Belden code	Delivery length	Weight	Remark
43065 xxxx 011	500 m	13,5 kg	Non returnable reel
43065 xxxx 240	1000 m	27,0 kg	Non returnable reel

xxxx: Belden colour code