



## Construction

<b>Conductor</b>	Bare copper wire Diameter: 0,40 / 0,51mm /0,64mm /0,91mm
<b>Insulation</b>	Solid high density polyethylene Identification: Colour code
<b>Assembly</b>	In pairs Up to 26 pairs in concentric layers Cables from 26pairs in units of 25 pairs with thread identifier Envelope: Polyester tape
<b>Overall screen</b>	Aluminium/copolymer tape, longitudinally applied, overlapped and glued to the outer sheath
<b>Outer sheath</b>	Polyethylene (UV Resistant) Colour: Black

## Technical characteristics

<b>Conductor resistance</b>	<ul style="list-style-type: none"> <li>- 0.40mm: 144.2 Ohm/Km Max.</li> <li>- 0.51mm: 91.5 Ohm/Km Max.</li> <li>- 0.64mm: 56.6 Ohm/Km Max.</li> <li>- 0.91mm: 28.5 Ohm/Km Max.</li> </ul>
<b>Resistance unbalance</b>	<p>Average value: 1.5%</p> <p>Max. value: 5%</p>
<b>Insulation resistance</b>	Min. 5000 MOhm*Km (500V, 15°C)
<b>Mutual capacitance</b>	<p>Max. average.: 52±3 nF/km</p> <p>Max. value: 58 nF/km</p>
<b>Capacitance unbalance</b>	<p>Max. value pair-pair (&lt;12 pairs): 45 pF/km</p> <p>Max. value pair-pair (&gt;12 pairs): 145 pF/km</p>
<b>Dielectric strength</b>	<p>Cond-Cond:</p> <ul style="list-style-type: none"> <li>- 0.40mm: 2500 V / 0.51mm: 1000 V / 0.64mm: 3600 V / 0.91mm: 4500V</li> </ul> <p>Cond-Screen:</p> <ul style="list-style-type: none"> <li>- 0.40mm: 5000 V / 0.51mm: 2500 V / 0.64mm: 10000 V / 0.91mm: 10000 V</li> </ul>
<b>Nominal attenuation (dB/100m)</b>	<ul style="list-style-type: none"> <li>- 0.8 kHz: 0.40mm: 1.64 dB/Km / 0.51mm: 1.30 dB/km / 0.64mm: 1.04 dB/km / 0.91mm: 0.74 dB/km</li> <li>- 3 kHz: 0.40mm: 3.18 dB/Km / 0.51mm: 2.52 dB/km / 0.64mm: 2.01 dB/km / 0.91mm: 1.42 dB/km</li> <li>- 150 kHz: 0.40mm: 11.4 dB/km / 0.51mm: 8.3 dB/km / 0.64mm: 6.20 dB/km / 0.91mm: 4.40 dB/km</li> <li>- 1000 kHz: 0.40mm: 27.1 dB/km / 0.51mm: 21.4 dB/km / 0.64mm: 17.5 dB/km / 0.91mm: 12.8 dB/km</li> </ul>
<b>PS Far end crosstalk (PSELFEXT)</b>	<p>Min. average at 1000 kHz(dB/305m):</p> <ul style="list-style-type: none"> <li>- 0.40mm: 44.5 / 0.51mm: 46.2 / 0.64mm: 46,5 / 0.91mm: 48,2</li> </ul> <p>Min. at 1000 kHz(dB/305m):</p> <ul style="list-style-type: none"> <li>- 0.40mm: 44.5 / 0.51mm: 40.4 / 0.64mm: 40,4 / 0.91mm: 42,4 (0,91)</li> </ul>
<b>PS Near end crosstalk (PSNEXT)</b>	<p>Min. average: 45.2 (dB/305m a 1000 kHz)</p> <p>Min.: 40.1 (dB/305m a 1000 kHz)</p>
<b>Operating T<sup>a</sup></b>	-25°C a +75°C

**Min. bending radius** 12xD

## Application

Distribution cables for subscribers or as a interconnection cable between telephone centers. Installation in ducts or aerial (supported).

\* CPR:

Cable suitable for installation under the requirements of CPR (Construction Product Regulation (EU) No. 305/2011) according to the classification (Euroclass) specified in this document.

## Standards

**Ref. for construction/drawing**

Based on Telefónica GT.ER.f5.001

ICT Real Decreto 401/2003 (\*Only 0.51mm cables)

**CPR Classification (Euroclass)**

Fca

(According to UNE-EN 50575)



### EAP Pairs 0,40mm

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)
21876500	6x2x0.40	8	65
21876600	10x2x0.40	9	85
21876700	16x2x0.40	10	105
21876800	25x2x0.40	11	145
21876900	50x2x0.40	13.5	230
21877000	100x2x0.40	18	405
21877200	150x2x0.40	21	580
2187730C	200x2x0.40	24	755
2187740C	300x2x0.40	28	1075
21877500	400x2x0.40	31.5	1390

### EAP Pairs 0,51mm

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)
20665200	6x2x0.51	9	80
20665300	10x2x0.51	10	115
20665400	16x2x0.51	11	140
20663400	25x2x0.51	13	200
20663500	50x2x0.51	16.5	340
20665000	75x2x0.51	19.5	480
20663600	100x2x0.51	22	620
20679700	150x2x0.51	26	885
20690800	200x2x0.51	29	1140

### EAP Pairs 0,64mm

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)
20766000	6x2x0.64	10	105
20768000	10x2x0.64	12	155
20766500	16x2x0.64	13	200
20767700	25x2x0.64	15.5	285
20768100	50x2x0.64	19.5	490
20767900	100x2x0.64	27.5	940

### EAP Pairs 0,91mm

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)
21075800	6x2x0.91	11.5	155
21075900	10x2x0.91	14	240
21076000	16x2x0.91	16	320
21076300	25x2x0.91	19	475
21074900	50x2x0.91	25	870
21074700	100x2x0.91	35	1700

Code	NxS (mm <sup>2</sup> )	Ø (mm)	Weight (kg/km)

**Legend**

- Code** Cervi codification
- NxS (mm<sup>2</sup>)** Number of conductors x Section (mm<sup>2</sup>)
- Ø (mm)** Aprox. outer diameter (mm)
- Weight (kg/km)** Approximate cable weight (kg/km)