

SERIE 278. QUAD CABLES FOR DISTRIBUTION IN INTERIORS, PVC SHEATH

Telecommunications
cable

Flame retardant



ROHS compliant

STANDARDS

UTE C93-526

UTE C93-527-8

DESCRIPTION AND APPLICATION

Telecommunication cables from 8 to 224 pairs (from 4 to 112 quads). Copper conductor of 0.4 and 0.6 mm, solid PE insulation. Stranding into star quads. PVC sheath with screen. Telecommunication cables for distribution networks in indoor installations. Category C2, flame retardant.

CONSTRUCTION

- **Conductors:** Annealed copper, diameters 0.40 and 0.60 mm.
- **Insulation:** Solid PE.
- **Cabling elements:** Star quads.
- **Lay-up:** Stranded in layers up to 28 pairs. From 56 pairs in units. Colour code as per UTE C93-526.
- **Core wrapping:** Dielectric tape longitudinally applied with overlap.
- **Screen:** Aluminized complex. Continuity tinned copper wire.
- **Sheath:** PVC compound, grey colour.
- **Sheath marking:** The outer sheath shall be marked at regular intervals with the following information:
 - *Name of Manufacturer / year / Length markings*
 - *Other type of markings is also possible according to the customer.*



All drawings, designs, specifications and particulars of weights, dimensions, etc. in this documentation are only indicative and must not be considered contractual.

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ELECTRICAL CHARACTERISTICS (20°C)	0,4	0,6
<i>Maximum conductor Resistance (Ω/km)</i>		
Individual maximum	150	66.6
Average	144	63.9
<i>Minimum insulation resistance ($M\Omega \times km$, 20°C, 500 V)</i>		
	5000	
<i>Maximum mutual capacitance (nF/km, 1000 Hz)</i>		
Maximum	57.5	
Average	55 (28 pairs) / 52.5 (more than 28 pairs)	
<i>Maximum capacitance unbalance (pF/300m, 1000 Hz)</i>		
<u>Inside the quad</u>		
Average	70	70
95%	200	200
Maximum	300	300
<u>Between Quads</u>		
Average	30	30
95%	100	100
Maximum	150	150
<i>Dielectric strength (Vdc, 1 min)</i>		
conductor – conductor	600	1150
conductor– screen	1500	1500

MECHANICAL CHARACTERISTICS

Temperature range: from -25° C to +75° C

Minimum bending radius: 10 x R_{cable}

DIMENSIONS AND WEIGHTS

Diameter : 0.40 mm						Diameter : 0.60 mm					
Code	# Quads	Cable Diam. (mm)	Weight approx (kg/km)	Length (m)	Drum	Code	# Quads	Cable Diam. (mm)	Weight approx (kg/km)	Length (m)	Drum
EA5503040000402N	4	8.1	60	600	AB	EA5503060000402N	4	9.8	95	600	AB
EA5503040000702N	7	8.2	75	600	AB	EA5503060000702N	7	10.6	149	600	AB
EA5503040001402N	14	10.0	132	600	AB	EA5503060001402N	14	13.1	245	600	BB
EA5503040002802N	28	12.5	225	600	AB	EA5503060002802N	28	16.9	440	600	BB
EA5503040005702N	56	16.0	402	600	BB	EA5503060005602N	56	22.2	810	600	DB
EA5503040011402N	112	21.5	751	600	DB	EA5503060011302N	112	30.3	1600	600	FB

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