

# TR/R - TR/HR

Italian telephone cables and twisted pair unsheathed



## TECHNICAL FEATURES

Operating temperature	-10 °C ÷ +70 °C
Conductor material	Solid tinned copper diam. 0,60mm
Core insulation	Thermoplastic material based PVC (quality TI2)
Core identification	According to colour code table CEI 46-5
Outer sheath material	Thermoplastic material based PVC (quality TM2)
Shield	Polyester tape, drain wire TC and Al/Polyester tape
Colour out sheath	Grey RAL 7001
Max. resistance in AC at 20°C	67,9 Ohm/km
Min. insulation resistance	500 Mohm/km
Test voltage in AC	1kV at 50Hz
Test voltage in DC	1,5kV
Max. mutual capacitance at 800Hz	120 nF/km
Capacity range	400 pF/500mt

## APPLICATION

Telephone cables for internal systems, isolated with a special PVC compound in accordance with flame propagation test CEI 20-22 that guarantees a reduced emission of toxic and corrosive gases.

## SPECIAL FEATURES

Flame retardant and self extinguishing CEI 20-35 / EN 60332-1  
 Flame retardant and low toxic smoke CEI 20-22  
 Lead free CEI 20-52  
 According to CEI 46-5 and IEC 60189-2

## REMARKS

Conform to RoHS  
 Conform to 2006/95/EC - Guideline EC

0,60mm		TR/R unshielded	TR/HR shielded
n° pairs	min. sheath thickness	Max. Outer diameter mm	Max. Outer diameter mm
1	0,6	4,8	5,3
1+E	0,6	5	5,5
2	0,6	5,5	6,0
2+E	0,6	6,0	6,5
3	0,6	6,5	7,0
3+E	0,6	6,5	//
4	0,6	6,5	7,0
4+E	0,6	6,8	//
5	0,6	7,0	7,5
5+E	0,6	7,0	//
6	0,6	7,5	//
6+E	0,6	7,5	//
8	0,6	8,0	8,5
8+E	0,6	8,0	//
11	0,7	10	10,5
11+E	0,7	10	//
16	0,8	11	11,5
16+E	0,8	11	//
21	0,8	13	13,5
21+E	0,8	13	//

  

Twisted pair unsheathed	Colours	Insulated conductor diameter mm
TR 2x0,6 mm	white-red	1,3

The outer diameters indicated are nominal values of production