

**PRESENTATION**

These are used in intercommunication cables.

**REFERENCE STANDARDS**

K50 OVE (Austria)

**CABLE STRUCTURE**

**1- Conductors**

Conductors consist of solid copper having a diameter of 0.6 mm for YYSCH cables and 0.8 mm for YR cables.

**2- Insulation of conductors**

Conductors are insulated by PVC insulating layer covered complying with the Austrian standards OVE K50. The thickness of insulation is such as the electrical requirements are met.

**3- Stranding**

Stranding is concentric for combinations having more than 5 cores. Wires are assembled in parallel for small combinations.

**4- Outer sheath**

Outer sheath consists of unleaded PVC. It may be grey RAL 7035 or ivory RAL 1013 for YYSCH cables and white RAL 9016 for YR cables.



**DIMENSIONS**

Cable	thickness of the sheath (mm)	Diameter of the outer sheath (mm)
YYSCH		
2x 0,6	0,60	3,10
3x 0,6	0,60	3,50
4x 0,6	0,60	3,80
5x 0,6	0,60	4,10
6x 0,6	0,60	4,50
10x 0,6	0,80	5,70
16x 0,6	0,80	6,80
26x 0,6	0,90	8,50
YR		
2x 0,8	0,80	4,60
3x 0,8	0,80	5,20
4x 0,8	0,80	5,70
5x 0,8	0,80	6,10
6x 0,8	0,80	6,50
8x 0,8	0,80	7,20
10x 0,8	0,90	8,00

**ELECTRICAL CHARACTERISTICS**

1- Insulation resistance	Min.50M? .km	3- Test voltage	1000V
2- Electrical resistance		4- Operating voltage	100V
0,6 mm conductors	Max.130? /km		
0,8 mm conductors	Max.73,2? /km		