

# SOUND, CONTROL UN-SHIELDED



## TECHNICAL FEATURES

Conductor	Flexible bare copper wire
Insulation	PP Polypropylene
Sheath material	Thermoplastic material based PVC (quality TM2) Grey
Standard	(BS) EN 50290-2 - IEC 60332-1 - IEC 60332-3-24
Core colours identification	black - red - white - green

## APPLICATION

Multiconductor un-shielded, suitable for sound, control, instrumentation and Building Management Systems (BMS)

## SPECIAL FEATURES

Flame retardant CEI 20-35 / EN 60332-1  
Lead Free CEI 20-52

## REMARKS

Conform to RoHS  
CE acc. to EC Low-Voltage Directive 73/23/EEC and 93/68/EEC  
and 73/23/EEC and 93/68/EEC  
Standard put up: 305 meters drums

Physical characteristics		ITAL002	ITAL024	ITAL023	ITAL028	ITAL303	ITAL305
ITALCOND part number							
No. of cores	num	2c	3c	4c	2c	3c	4c
Conductor size	AWG	16	16	16	14	14	14
Conductor stranding	n.xmm	19x0,28	19x0,28	19x0,28	19x0,36	19x0,36	19x0,36
Conductor stranding	n.awg	19x29	19x29	19x29	19x27	19x27	19x27
Drain wire size	AWG	No	No	No	No	No	No
Drain wire stranding	n.xmm	No	No	No	No	No	No
Drain wire stranding	n.awg	No	No	No	No	No	No
Nom. Diameter of copper conductor	mm	1,4	1,4	1,4	1,81	1,81	1,81
Insulation material	type	PP	PP	PP	PP	PP	PP
Nom. Radial Thickness insulation	mm	0,20	0,20	0,20	0,27	0,27	0,27
Shield	Yes/No	No	No	No	No	No	No
Individual shield	Yes/No	No	No	No	No	No	No
Screen (braid)	Yes/No	No	No	No	No	No	No
Sheath material	type	PVC TM2	PVC TM2	PVC TM2	PVC TM2	PVC TM2	PVC TM2
Overall diameter of conductor	mm	1,80	1,80	1,80	2,40	2,40	2,40
Nom. Radial sheath thickness	mm	0,43	0,43	0,43	0,43	0,43	0,43
Nom. overall outer diameter	mm	4,90	5,00	5,50	5,70	6,00	6,90
Electrical Characteristics							
Max. DC Resistance conductor at 20°C	Ω/km	13,80	13,80	13,80	8,40	8,40	8,40
Max. DC Resistance shield	Ω/km	//	//	//	//	//	//
Capacitance conductor to conductor	pF/m	76	78	76	74	74	74
Capacitance cond. to other cond.+shield	pF/m	//	//	//	//	//	//
Nominal inductance	μH/m	0,5	//	//	0,5	//	//
Max. recommended Current at 25°C	Amps	6,25	6,25	5,00	8,00	8,00	6,40
Max. operating voltage	Vrms	300	300	300	300	300	300
Miscellaneous							
Operating temperature	°C	-20 / +75	-20 / +75	-20 / +75	-20 / +75	-20 / +75	-20 / +75
Max. recommended pulling tension	N	131	195	520	423	635	845
Min. bending radius (install)	mm	46	49	51	58	61	67
Nominal cable weight	kg/km	46	58	72	63	85	110