

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		ITAL004	ITAL322	ITAL006	ITAL325	ITAL327	ITAL329
ITALCOND part number							
No. of cores	num	2c	3c	4c	2c	3c	4c
Conductor size	AWG	18	18	18	20	20	20
Conductor stranding	n.xmm	7x0,40	7x0,40	7x0,40	7x0,32	7x0,32	7x0,32
Conductor stranding	n.awg	7x26	7x26	7x26	7x28	7x28	7x28
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	1,2	1,2	1,2	1,0	1,0	1,0
Insulation material	type	PP	PP	PP	PP	PP	PP
Nom. Radial Thickness insulation	mm	0,20	0,20	0,20	0,20	0,20	0,20
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	1,60	1,60	1,60	1,40	1,40	1,40
Nom. Radial sheath thickness	mm	0,43	0,43	0,43	0,43	0,43	0,43
Nom. overall outer diameter	mm	4,40	4,40	4,80	3,80	4,00	4,30
Electrical Characteristics							
Nom. DC Resistance conductor at 20°C	Ω/km	21,4	21,4	21,4	33,5	33,5	33,5
Nom. DC Resistance shield	Ω/km	//	//	//	//	//	//
Capacitance conductor to conductor	pF/m	71	67	73	61	55	63
Capacitance cond. to other cond.+shield	pF/m	//	//	//	//	//	//
Nominal inductance	μH/m	0,5	//	//	0,6	//	//
Max. recommended Current at 25°C	Amps	5,00	5,00	4,00	3,75	3,75	3,00
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	200	298	401	112	168	224
Min. bending radius (install)	mm	40	42	46	35	37	41
Nominal cable weight	kg/km	38	49	60	27	39	45