

SOUND, CONTROL OVERALL SHIELDED



TECHNICAL FEATURES

Conductor	Flexible bare copper wire
Insulation	PP Polypropylene
Drain wire	Tinned copper
Shield	Aluminium/Polyester 100% (reversed)
Sheath material	Thermoplastic material based PVC (quality TM2) Grey
Standard	IEC 60332-1 - IEC 60332-3-24
Core colours identification	black - red - white - green

APPLICATION

Multiconductor overall 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		ITAL003	ITAL321	ITAL005	ITAL324	ITAL326	ITAL328
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	24	24	24	24	24	24
Drain wire stranding	n.xmm	7x0,20	1x0,50	7x0,20	1x0,50	1x0,50	1x0,50
Drain wire stranding	n.awg	7x32	1x24	7x32	1x24	1x24	1x24
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	Yes	Yes	Yes	Yes	Yes	Yes
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	4,60	4,60	5,20	4,00	4,30	4,50
Electrical Characteristics							
Nom. DC Resistance conductor at 20°C	Ω/km	21,4	21,4	21,4	33,8	33,8	33,8
Nom. DC Resistance shield	Ω/km	53,3	55,5	23,7	55	53	25
Capacitance conductor to conductor	pF/m	154	119	89	132	164	95
Capacitance cond. to other cond.+shield	pF/m	256	213	159	237	296	224
Nominal inductance	μH/m	0,5	0,5	0,5	0,5	0,5	0,5
Max. recommended Current at 25°C	Amps	5,0	5,0	4,0	5,0	5,0	4,0
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	259	362	230	83	104	224
Min. bending radius (install)	mm	40	42	46	35	39	41
Nominal cable weight	kg/km	38	47	59	32	39	48