

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	table(1): black - red - white - green table(2): black - white - red - 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		ITAL001	ITAL017	ITAL018	ITAL019	ITAL302	ITAL304
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	24	24	24	22	22	22
Drain wire stranding	n.xmm	7x0,20	7x0,20	7x0,20	7x0,25	7x0,25	7x0,25
Drain wire stranding	n.awg	7x32	7x32	7x32	7x30	7x30	7x30
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	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	1,80	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	4,80	5,00	5,80	6,00	6,30	8,00
Colour coding	table	1	1	1	2	2	2
Electrical Characteristics							
Nom. DC Resistance conductor at 20°C	Ω/km	14,70	14,70	14,70	8,40	8,40	8,40
Nom. DC Resistance shield	Ω/km	47,3	49,9	47,25	32,81	37,08	32,81
Capacitance conductor to conductor	pF/m	181	181	101	158	273	98
Capacitance cond. to other cond.+shield	pF/m	354	343	181	300	491	178
Nominal inductance	μH/m	0,5	0,5	0,5	0,5	0,5	0,5
Max. recommended Current at 25°C	Amps	6,25	6,25	5,0	8,0	8,0	6,4
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	381	516	651	558	770	845
Min. bending radius (install)	mm	45	49	53	58	64	70
Nominal cable weight	kg/km	42	55	67	57	80	100