

# 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:	Flame retardant Polyvinyl Chloride (PVC) Colour 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 Directory 73/23/EEC  
and 73/23/EEC and 93/68/EEC  
Standard put up: 305 meters drums

### Physical characteristics

ITALICAB part number		ITAL001	ITAL017	ITAL018	ITAL019	ITAL302	ITAL304
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	24	24	24
Drain wire stranding	n.xmm	7x0,20	7x0,20	7x0,20	7x0,20	7x0,20	7x0,20
Drain wire stranding	n.awg	7x32	7x32	7x32	7x32	7x32	7x32
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	0,20	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	1,80	1,80	1,80	2,20	2,20	2,20
Nom. Radial sheath thickness	mm	0,43	0,43	0,43	0,43	0,43	0,43
Nom. overall outer diameter	mm	4,70	5,00	5,50	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	13,80	13,80	13,80	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	191	191	101	178	273	98
Capacitance cond. to other cond.+shield	pF/m	374	343	181	320	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