

# SOUND, CONTROL OVERALL SHIELDED



A



B

## TECHNICAL FEATURES

Conductor:	Flexible (TC) tinned copper wire or (BC) bar copper wire
Insulation:	LDPE Polyethylene or PVC or PP
Drain wire:	Tinned copper
Shield:	Aluminium/Polyester 100% (reversed)
Screen:	Tinned copper braid 70% coverage
Sheath material:	Flame retardant Polyvinyl Chloride (PVC) Colour Grey
Standard:	IEC 60332-1 - IEC 60332-3-24
Core colours identification:	table(1): black - red - clear table(2): black - red - green - white table(3): black - white - red - green - brown - blue - orange

## 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		ITAL016	ITAL606	ITAL350	ITAL354	ITAL604
ITALICAB part number						
Design		A	A	A	A	B
No. of cores	num	3c	4c	6c	3c	7c
Conductor size	AWG	18	18	18	20	22
Conductor stranding	n.xmm	TC 16x0,25	TC 19x0,25	BC 7x0,40	TC 7x0,32	TC 7x0,25
Conductor stranding	n.awg	TC 16x30	TC 19x30	BC 7x26	TC 7x28	TC 7x30
Drain wire size	AWG	20	20	24	20	-
Drain wire stranding	n.xmm	7x0,32	7x0,32	1x0,50	7x0,32	-
Drain wire stranding	n.awg	7x28	7x28	1x24	7x28	-
Nom. Diameter of copper conductor	mm	1,2	1,2	1,2	1,00	0,80
Insulation material	type	LDPE	PVC	PP	LDPE	FR PVC
Nom. Radial Thickness insulation	mm	0,50	0,30	0,20	0,40	0,30
Shield	Yes/No	Yes	Yes	Yes	Yes	Yes
Individual shield	Yes/No	No	No	No	No	No
Screen (braid)	Yes/No	No	No	No	No	Yes
Sheath material	type	PVC TM2	PVC TM2	PVC TM2	PVC TM2	PVC TM2
Overall diameter of conductor	mm	2,20	1,80	1,60	1,80	1,40
Nom. Radial sheath thickness	mm	0,80	0,90	0,43	0,75	0,90
Nom. overall outer diameter	mm	6,40	6,30	6,50	5,60	6,50
Colour coding	table	1	2	3	1	3
Electrical Characteristics						
Nom. DC Resistance conductor at 20°C	Ω/km	21,7	21,4	21,4	32,8	48,2
Nom. DC Resistance shield	Ω/km	28	28	51	30	23
Capacitance conductor to conductor	pF/m	79	132	89	90	115
Capacitance cond. to other cond.+shield	pF/m	158	237	160	168	207
Nominal inductance	μH/m	0,6	//	//	//	//
Max. recommended Current at 25°C	Amps	5,3	5	3,50	4	2,10
Max. operating voltage	Vrms	300	300	300	300	300
Miscellaneous						
Operating temperature	°C	-20 / +60	-20 / +80	-20 / +75	-20 / +60	-30 / +80
Max. recommended pulling tension	N	330	445	661	201	192
Min. bending radius (install)	mm	64	64	58	58	64
Nominal cable weight	kg/km	60	55	75	35	65