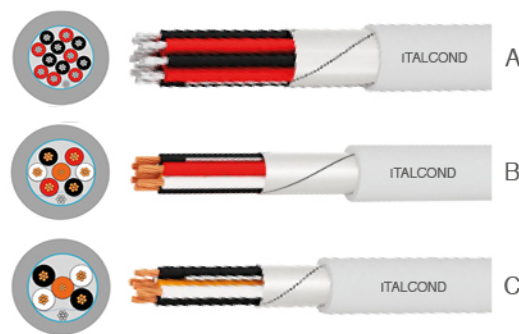


SOUND, CONTROL OVERALL SHIELDED

TECHNICAL FEATURES

Conductor	Flexible (TC) tinned copper wire or (BC) bare copper wire
Insulation	Polyvynil Chloride (PVC) 105°C
Drain wire	Tinned copper
Shield	Aluminium/Polyester 100% coverage
Sheath material	Thermoplastic material based PVC (quality TM2) Grey
Standard	IEC 60332-1 - IEC 60332-3-24
Core colours identification	table(1): red,black (numbered pairs) table(2): black, white, red (numbered triad) communication wire orange table(3): black, white (numbered pairs) communication wire orange



APPLICATION

Twisted pairs and triad, overall and individual 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		ITAL608	ITAL603	ITAL600
ITALCOND part number		A	B	C
Design				
No. of pairs / Triad	num	6p	2t (tot. 7c)	2p (tot. 5c)
Conductor size	AWG	18	20	16
Conductor stranding	n.xmm	TC 19x0,25	BC 7x0,32	BC 7x0,51
Conductor stranding	n.awg	TC 19x30	BC 7x28	BC 7x24
Communication wire	AWG	No	22	22
Communication wire stranding	n.xmm	No	BC 7x0,25	BC 7x0,25
Communication wire stranding	n.awg	No	BC 7x30	BC 7x30
Drain wire size	AWG	18	20	16
Drain wire stranding	n.xmm	TC 7x0,40	TC 7x0,32	TC 7x0,51
Drain wire stranding	n.awg	TC 7x26	TC 7x28	TC 7x24
Insulation material	type	PVC105	PVC105	PVC105
Nom. Radial Thickness insulation	mm	0,30	0,40	0,50
Shield	Yes/No	Yes	Yes	Yes
Individual shield	Yes/No	No	No	No
Screen (braid)	Yes/No	No	No	No
Colour coding	table	1	2	3
Sheath material	type	PVC TM2	PVC TM2	PVC TM2
Nominal overall diameter of conductor	mm	1,85	1,80	2,60
Nom. Radial shetah thickness	mm	1,35	1,00	1,30
Nom. overall outer diameter	mm	12,70	9,20	11,80
Electrical Characteristics				
Nom. DC Resistance conductor at 20°C	Ω/km	19,6	30,5	13,78
Nom. DC Resistance conductor at 20°C com. wire	Ω/km	//	53	48,23
Max. DC Resistance shield	Ω/km	30	24,6	13,13
Capacitance conductor to conductor	pF/m	115	//	121
Capacitance cond. to other cond.+shield	pF/m	177	//	219
Nominal inductance	μH/m	0,6	//	0,70
Max. recommended Current at 25°C	Amps	4,50	//	//
Max. operating voltage (PLTC)	Vrms	300	300	300
Max. operating voltage (ITC)	Vrms	150	//	150
Miscellaneous				
Operating temperature	°C	-30 / +105	-30 / +105	-30 / +105
Max. reccomended pulling tension	N	120	432	370
Min. bending radius (install)	mm	127	92	114
Nominal cable weight	kg/km	200	110	150