

# SOUND, CONTROL INDIVIDUALLY SHIELDED



## TECHNICAL FEATURES

Conductor	Flexible tinned copper wire
Insulation	LDPE Polyethylene or 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) pairs: black - clear table(2) pairs: black, red / black, white / black, green black, blue / black, yellow / black, brown table(3) pairs: red, black / green, white

## APPLICATION

Multiconductor individually 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		ITAL340	ITAL341	ITAL012	ITAL013	ITAL352
ITALCOND part number						
No. of pairs	num	1p	1p	2p	3p	6p
Conductor size	AWG	20	22	22	22	22
Conductor stranding	n.xmm	7x0,32	7x0,25	7x0,25	7x0,25	7x0,25
Conductor stranding	n.awg	7x28	7x30	7x30	7x30	7x30
Drain wire size	AWG	20	22	24	22	22
Drain wire stranding	n.xmm	7x0,32	7x0,25	7x0,20	7x0,25	7x0,25
Drain wire stranding	n.awg	7x28	7x30	7x32	7x30	7x30
Nom. Diameter of copper conductor	mm	1,0	0,80	0,80	0,80	0,80
Insulation material	type	LDPE	LDPE	PP	PP	PP
Nom. Radial Thickness insulation	mm	0,40	0,40	0,22	0,27	0,27
Shield	Yes/No	Yes	Yes	Yes	Yes	Yes
Individual shield	Yes/No	Yes	Yes	Yes	Yes	Yes
Screen (braid)	Yes/No	No	No	No	No	No
Sheath material	type	PVC TM2	PVC TM2	PVC TM2	PVC TM2	PVC TM2
Overall diameter of conductor	mm	1,80	1,60	1,20	1,30	1,30
Nom. Radial sheath thickness	mm	0,70	0,60	0,50	0,90	0,90
Nom. overall outer diameter	mm	5,20	4,40	5,60	7,20	8,90
Colour coding	table	1	1	3	2	2
Electrical Characteristics						
Nom. DC Resistance conductor at 20°C	Ω/km	31,20	52,7	48,2	49,20	49,20
Nom. DC Resistance shield	Ω/km	//	//	52,7	52,7	99,0
Capacitance conductor to conductor	pF/m	89	79	109	98	98
Capacitance cond. to other cond.+shield	pF/m	161	155	204	180	180
Nominal inductance	μH/m	0,6	0,6	0,6	0,6	0,6
Max. recommended Current at 25°C	Amps	3,90	2,90	2,30	2	2,00
Max. operating voltage	Vrms	300	300	300	300	300
Miscellaneous						
Operating temperature	°C	-20 / +60	-20 / +60	-20 / +75	-20 / +80	-20 / +80
Max. recommended pulling tension	N	205	121	187	352	699
Min. bending radius (install)	mm	58	45	45	70	96
Nominal cable weight	kg/km	38	30	28	65	108