

SPEAKER CABLE SHIELDED AND UN-SHIELDED



TECHNICAL FEATURES

Conductor	Flexible tinned copper wire
Insulation (shielded)	LDPE Polyethylene
Insulation (un-shielded)	Polyvinyl Chloride (PVC)
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): black - clear table(2): black - white table(3): black - red

APPLICATION

High conductivity single pair speaker cable, suitable for sound, control and instrumentation

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
Standard put up: 305 meters drums

Physical characteristics		UN-SHIELDED			SHIELDED		
ITALCOND part number		ITAL027	ITAL014	ITAL015	ITAL353	ITAL351	ITAL011
No. Of pairs	num	1p	1p	1p	1p	1p	1p
Conductor size	AWG	14	16	18	14	16	18
Conductor stranding	n.xmm	19x0,36	19x0,28	7x0,40	19x0,36	19x0,28	16x0,25
Conductor stranding	n.awg	19x27	19x29	7x26	19x27	19x29	16x30
Drain wire size	AWG	//	//	//	16	18	20
Drain wire stranding	n.xmm	//	//	//	7x0,51	7x0,40	7x0,32
Drain wire stranding	n.awg	//	//	//	7x24	7x26	7x28
Nom. Diameter of copper conductor	mm	1,81	1,4	1,2	1,81	1,4	1,2
Insulation material	type	PVC	PVC	PVC	LDPE	LDPE	LDPE
Nom. Radial Thickness insulation	mm	0,80	0,60	0,30	0,80	0,80	0,50
Shield	Yes/No	No	No	No	Yes	Yes	Yes
Individual shield	Yes/No	No	No	No	No	No	No
Screen (braid)	Yes/No	No	No	No	No	No	No
Colour coding	table	2	2	3	1	1	1
Sheath material	type	PVC TM2	PVC TM2	PVC TM2	PVC TM2	PVC TM2	PVC TM2
Overall diameter of conductor	mm	3,40	2,70	1,90	3,40	3,00	2,10
Nom. Radial sheath thickness	mm	0,90	0,80	0,80	0,90	0,80	0,70
Nom. overall outer diameter	mm	8,70	7,00	5,40	9,00	8,00	5,80
Electrical Characteristics							
Nom. DC Resistance conductor at 20°C	Ω/km	9,5	14,7	22,6	9,6	14,8	21,7
Nom. DC Resistance shield	Ω/km	//	//	//	//	//	//
Capacitance conductor to conductor	pF/m	108	109	85	79	76	90
Capacitance cond. to other cond.+shield	pF/m	//	//	//	154	144	165
Nominal inductance	μH/m	0,6	0,6	0,6	0,7	0,7	0,7
Max. recommended Current at 25°C	Amps	9,5	6,1	4,8	9,5	7,1	5,2
Max. operating voltage	Vrms	600	300	300	600	600	300
Miscellaneous							
Operating temperature	°C	-20 / +80	-20 / +80	-20 / +80	-20 / +80	-20 / +80	-20 / +60
Max. recommended pulling tension	N	400	270	200	712	227	120
Min. bending radius (install)	mm	88	70	58	96	83	56
Nominal cable weight	kg/km	92	65	40	110	82	48