

CAT 3 UTP / FTP

TEL. CABLES HALOGEN-FREE SHEATH

TECHNICAL FEATURES

Conductor	Solid bare copper
Insulation	PVC flame retardant
Drain wire (FTP)	Solid tinned copper
Overall shield FTP	Aluminium/ Polyester 100% coverage
Sheath material	LSOH Low smoke Halogen-free colour Grey
Standards	IEC 60189-1-2-3 - IEC60332-1 - IEC 60332-3-24
Core colours identification	CEI 46-5 Telephone cables



APPLICATION

Central office Cat. 3 telephone cable, shielded and un-shielded pair, suitable for internal wiring upto 16MHz. Halogen-free sheath.

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		ITAL102	ITAL103	ITAL104	ITAL105	ITAL106	ITAL107
ITALCOND part number							
No. of cores (twisted pairs)	Pairs/cond.	2p	3p	4p	6p	10p	12p
Conductor size	AWG	22	22	22	22	22	22
Conductor stranding	n.xmm	1x0,60	1x0,60	1x0,60	1x0,60	1x0,60	1x0,60
Conductor stranding	n.awg	1x22	1x22	1x22	1x22	1x22	1x22
Drain wire size FTP	AWG	22	22	22	22	22	22
Drain wire stranding FTP	n.xmm	1x0,60	1x0,60	1x0,60	1x0,60	1x0,60	1x0,60
Drain wire stranding FTP	n.awg	1x22	1x22	1x22	1x22	1x22	1x22
Nom. Diameter of copper conductor	mm	0,60	0,60	0,60	0,60	0,60	0,60
Nom. Radial Thickness insulation	mm	0,22	0,22	0,22	0,22	0,22	0,22
Overall diameter of conductor	mm	1,05	1,05	1,05	1,05	1,05	1,05
Nom. overall outer diameter ±0,30mm UTP	mm	4,30	5,10	5,80	6,60	8,00	9,00
Nom. overall outer diameter ±0,30mm FTP	mm	4,70	5,30	6,00	7,80	9,20	9,70
Nominal cable weight UTP	kg/km	28	35	46	64	85	100
Nominal cable weight FTP	kg/km	33	44	55	72	108	120

Physical characteristics		ITAL108	ITAL109	ITAL110	ITAL111	ITAL112	ITAL113
ITALCOND part number							
No. of cores (twisted pairs)	Pairs/cond.	2p	3p	4p	6p	10p	12p
Conductor size	AWG	24	24	24	24	24	24
Conductor stranding	n.xmm	1x0,50	1x0,50	1x0,50	1x0,50	1x0,50	1x0,50
Conductor stranding	n.awg	1x24	1x24	1x24	1x24	1x24	1x24
Drain wire size FTP	AWG	24	24	24	24	24	24
Drain wire stranding FTP	n.xmm	1x0,50	1x0,50	1x0,50	1x0,50	1x0,50	1x0,50
Drain wire stranding FTP	n.awg	1x24	1x24	1x24	1x24	1x24	1x24
Nom. Diameter of copper conductor	mm	0,50	0,50	0,50	0,50	0,50	0,50
Nom. Radial Thickness insulation	mm	0,25	0,25	0,25	0,25	0,25	0,25
Overall diameter of conductor	mm	0,95	0,95	0,95	0,95	0,95	0,95
Nom. overall outer diameter ±0,30mm UTP	mm	3,80	4,60	5,00	5,80	7,50	8,00
Nom. overall outer diameter ±0,30mm FTP	mm	4,20	4,60	5,00	5,80	7,70	8,30
Nominal cable weight UTP	kg/km	20	28	32	46	70	83
Nominal cable weight FTP	kg/km	24	33	40	56	85	98

Insulation material	type	PVC	PVC	PVC	PVC	PVC	PVC
Shield	Yes/No	No	No	No	No	No	No
Sheath material	type	LSOH	LSOH	LSOH	LSOH	LSOH	LSOH
Operating temperature	°C	-20 / +80	-20 / +80	-20 / +80	-20 / +80	-20 / +80	-20 / +80
insulation resistance	Ω/km	200	200	200	200	200	200
working voltage	Volt	300	300	300	300	300	300
test voltage	Volt	1200	1200	1200	1200	1200	1200