

General Cable Warranty Plan

25 years JetLan Cabling System

The warranty plan covers all the General Cable data transmission systems complying with Standards and Specifications such as ANSI/EIA/TIA 568B2, ANSI/EIA/TIA 568B3, ISO 11801, CENELEC EN 50173 and ANSI/EIA/TIA 568B2-1, and for this reason we may guarantee the design and transmission characteristics of every installation based on our cables and components (Copper or Optical Fibre) for a period of 25 years.

This warranty is conceded to installations made and tested as specified in the JetLan Warranty Certificate, which is presented to the owner of the installation by the JetLan certified installers.

General Cable aims through its Warranty Plan to offer updated information and training to all certified installers through technical courses and seminars.

APPLICATIONS

- Supports full and half duplex operation
- Digital/analogic video
- 16 Mbps Token Ring
- 100 Mbps TP-PMOD
- 100 BASE-T (IEEE 802.3)
- 1000 BASE-T (Gigabit Ethernet)
- 155/622 Mbps ATM
- 1.2 Gbps ATM

COMPLIANCES

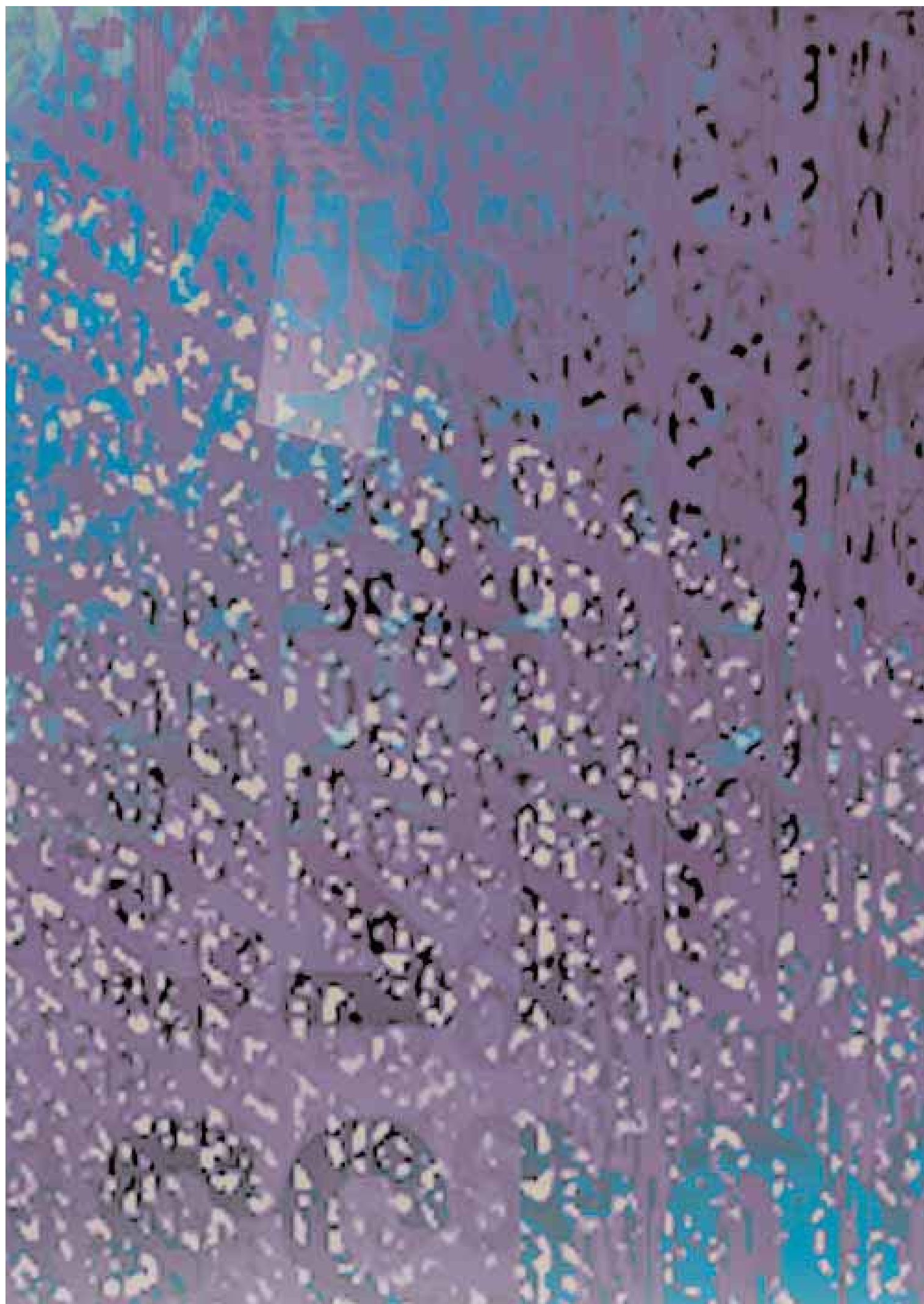
ISO/IEC 11801 : 2002
 EN 50173-1 : 2002
 ANSI/TIA/EIA 568-B.2 (Category 5e)
 ANSI/TIA/EIA 568-B.2-1 (Category 6)
 Options UTP and FTP (Copper)

Special cable designs:
 LSZH: EN 50268 and EN 50267-2-1
 Exzhellent range: IEC 60332-3-24 and EN 50266-2-4
 (fire retardant cable)

CERTIFICATION

EC Verified (DELTA)







Communication cables

General Cable supplies a large range of communication cables, according to different specifications, for internal and external installations including dropwires. The examples included in this catalogue correspond to our most usual markets but any other types may be considered on request.



Internal Telephone Cable (CW1308)

CONSTRUCTION

Conductor	Solid annealed Copper conductors 0,4 or 0,5 mm
Insulation	PVC
Earth Conductor	Solid annealed Copper conductor 1,38 mm Ø *
Insulation Earth Conductor	PVC
Wrapping tape(s)	1 polyester
Ripcord	1 longitudinal ripcord
Sheath	PVC or LSF

* Suffix 'E' added to the cable type.

Note: screened version available (AL/PETP 9/23µm tape).

ELECTRICAL CHARACTERISTICS

Maximum conductor resistance (d.c.) at 20°C (0,4 mmØ)	Ω/km	153,0
Maximum conductor resistance (d.c.) at 20°C (0,5 mmØ)	Ω/km	97,8
Maximum earth conductor resistance (d.c.) at 20°C (1,38mmØ)	Ω/km	12,4
Max. capacitance unbalance (0,4 mmØ - unit construction)	pF/500m	200
Max. capacitance unbalance (0,4 mmØ - layer construction)	pF/500m	300
Max. capacitance unbalance (0,5 mmØ - unit construction)	pF/500m	500

COLOUR CODE

Pairs	Insulation Colour **			
	A wire		B wire	
1	WHITE	blue	BLUE	white
2	WHITE	orange	ORANGE	white
3	WHITE	green	GREEN	white
4	WHITE	brown	BROWN	white
5	WHITE	grey	GREY	white
6	RED	blue	BLUE	red
7	RED	orange	ORANGE	red
8	RED	green	GREEN	red
9	RED	brown	BROWN	red
10	RED	grey	GREY	red
11	BLACK	blue	BLUE	black
12	BLACK	orange	ORANGE	black
13	BLACK	green	GREEN	black
14	BLACK	brown	BROWN	black
15	BLACK	grey	GREY	black
16	YELLOW	blue	BLUE	yellow
17	YELLOW	orange	ORANGE	yellow
18	YELLOW	green	GREEN	yellow
19	YELLOW	brown	BROWN	yellow
20	YELLOW	grey	GREY	yellow

** Ring markings. Base colours in capital letters.

UNITS IDENTIFICATION

Binder colours for units

- First unit in a layer - Orange
- Intermediate units in a layer - Natural
- Last unit in a layer - Green

MAKE-UP FOR UNIT CABLES

Cable	Construction
8 PR	1x8PR
16 PR	1x16PR
32 PR	4x16PR
64 PR	1x16PR + 6x8PR
128 PR	4x8PR + 6x16PR
256 Pr	1x16PR + 5x16PR + 10xPR16
10 PR	1x10PR
10 PR + E	1x10PR + E
20 PR(a)	1x20PR
20 PR + E	1x20PR + E
25 PR	1x25PR
40PR + E	4x10PR + E
50PR + E	5x10PR + E
80PR + E	1x20PR + 6x10PR + E
100PR + E	1x20PR + 8x10PR + E
160PR + E	4x10PR + 6x20PR + E
320PR + E	1x20PR + 5x20PR + 10x20PR + E

(a) The 20PR0,5 cable contains an additional 0,5 mm diameter insulated conductor coloured Violet.

CABLE DIMENSIONS

Cable	Sheath Radial Thickness min. (mm)	Cable Diameter max. (mm)
0,4 mm diameter conductor - Layer Construction		
2PR	0,4	3,9
3PR	0,5	5,3
4PR	0,5	5,8
6PR	0,6	6,8
10PR	0,6	8,3
12PR	0,7	8,9
20PR	0,7	10,4
25PR	0,8	11,1
0,4 mm diameter conductor - Unit Construction		
8PR	0,6	7,2
16PR	0,7	9,8
32PR	0,8	12,0
64PR	1,1	16,0
0,5 mm diameter conductor - Layer Construction		
3PR	0,65	5,0
4PR	0,65	5,8
6PR	0,6	6,8
10PR	0,6	8,3
12PR	0,7	9,1
15PR	0,7	9,8
20PR	0,8	10,7
25PR	0,8	11,4
0,5 mm diameter conductor - Unit Construction		
8PR	0,6	7,6
16PR	0,7	10,2
32PR	0,8	12,4
64PR	1,1	16,5
128PR	1,6	25,4
256PR	2,0	35,2
10PR	0,6	8,6
20 PR + E	0,7	12,0
40PR + E	0,9	15,0
50PR + E	1,0	17,0
80PR + E	1,2	22,5
100PR + E	1,5	27,0
160PR + E	1,7	30,3
320PR + E	2,2	39,5

Screened multipair Cat 3 cables PVC or LSZH sheaths

TECHNICAL DESCRIPTION

Multipair telecom cables with Aluminium foil screen (E02V or E02Z1), complying with IEC 60332-1 (flame retardant)

APPLICATION

Internal Telecom and signal transmission up to Cat 3

CONSTRUCTION

Conductor	Solid annealed Copper conductors (24 AWG)
Insulation	Solid Polyethylene (PE)
Screen	Aluminium/ PETP foil, with draining wire
Sheath	PVC or LSZH compound

ELECTRICAL AND TRANSMISSION CHARACTERISTICS

Maximum conductor resistance (d.c.) at 20°C (0,4 mmØ)	Ω/km	93,8
Min. dielectric strength (d.c.) between conductors (V)		1000
Min. dielectric strength (d.c.) conductor / screen (V)		1500
Min. insulation resistance (MΩ/km)		10000
Max. mutual capacitance @ 1 kHz (nF/km)		66
Characteristic impedance (Ohm)		(min-max)
Value at	0,772 MHz	87-117
	1 - 16 MHz	85-115
Structural Return Loss (RL) dB		
Value at	1 - 10 MHz	min. 12
	10 - 16 MHz	min. 12 - 10 log (f/10)

ORDERING INFORMATION

Code	Pairs	Construction	Sheath	Diameter (mm)	Weight (kg/Km)	Colour Sheath	Drum size	Length/reel (m)
669025BGRP	25	25x2x0,50	PVC	10,7	169	Grey	08	1000
669125BGRP	25	25x2x0,50	LSZH	10,7	166	Grey	08	1000
669050BGRP	50	50x2x0,50	PVC	14,5	301	Grey	10	1000
669150BGRP	50	50x2x0,50	LSZH	14,5	297	Grey	10	1000
669075BGRP	75	75x2x0,50	PVC	16,7	428	Grey	11	1000
669175BGRP	75	75x2x0,50	LSZH	16,7	423	Grey	11	1000
6690AABGRP	100	100x2x0,50	PVC	19,5	560	Grey	12	1000
6691AABGRP	100	100x2x0,50	LSZH	19,5	555	Grey	12	1000

Frequency MHz	Attenuation dB/100m	Power Sum Near-End Crosstalk dB/100m (min)
0,772	2,2	43
1	2,6	41
4	5,6	32
8	8,5	27
10	9,7	26
16	13,1	23

CABICTEL

Unscreened multipair Cat 3 cables PVC or LSZH sheaths

TECHNICAL DESCRIPTION

Multipair telecom cables complying with IEC 60332-1 (flame retardant)

APPLICATION

Internal Telecom and signal transmission up to Cat 3

CONSTRUCTION

Conductor	Solid annealed Copper conductors (24 AWG)
Insulation	Solid Polyethylene (PE)
Sheath	PVC or LSZH compound

ELECTRICAL AND TRANSMISSION CHARACTERISTICS

Maximum conductor resistance (d.c.) at 20°C (0,4 mmØ)	Ω/km	93,8
Min. dielectric strength (d.c.) between conductors (V)		1000
Min. insulation resistance (MΩ/km)		10000
Max. mutual capacitance @ 1 kHz (nF/km)		66
Characteristic impedance (Ohm)		(min-max)
Value at	0,772 MHz	87-117
	1 - 16 MHz	85-115
Structural Return Loss (RL) dB		
Value at	1 - 10 MHz	min. 12
	10 - 16 MHz	min. 12 - 10 log (f/10)



















































ORDERING INFORMATION

Code	Pairs	Construction	Sheath	Diameter (mm)	Weight (kg/Km)	Colour sheath	Drum size	Length/reel (m)
669225CGRPA	25	25x2x0,50	PVC	10,4	162	Grey	08	1000
669325CGRPA	25	25x2x0,50	LSZH	10,4	160	Grey	08	1000
669250CGRPA	50	50x2x0,50	PVC	13,8	293	Grey	10	1000
669350CGRPA	50	50x2x0,50	LSZH	13,8	289	Grey	10	1000
669275CGRPA	75	75x2x0,50	PVC	16,4	419	Grey	11	1000
669375CGRPA	75	75x2x0,50	LSZH	16,4	410	Grey	11	1000
6692AACRPA	100	100x2x0,50	PVC	18,8	551	Grey	12	1000
6693AACRPA	100	100x2x0,50	LSZH	18,8	545	Grey	12	1000

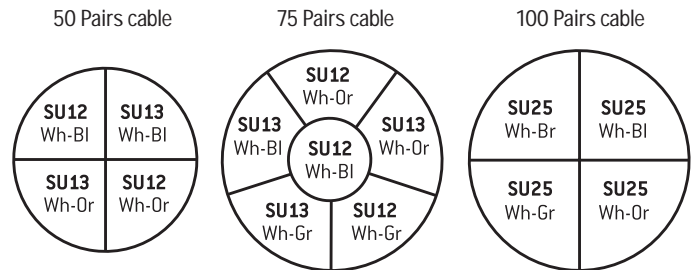
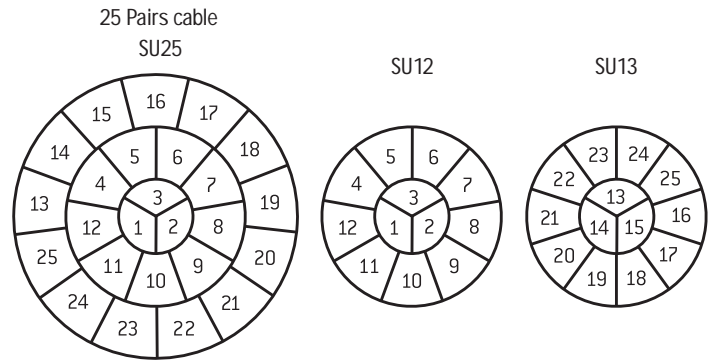
Frequency MHz	Attenuation dB/100m	Power Sum Near-End Crosstalk dB/100m (min)
0,772	2,2	43
1	2,6	41
4	5,6	32
8	8,5	27
10	9,7	26
16	13,1	23

Colour code - Screened Multipair Cat.3 and Unscreened Multipair Cat. 3

COLOUR CODE

Pairs	Insulation Colour	
	A wire	B wire
1	WHITE 	BLUE 
2	WHITE 	ORANGE 
3	WHITE 	GREEN 
4	WHITE 	BROWN 
5	WHITE 	GREY 
6	RED 	BLUE 
7	RED 	ORANGE 
8	RED 	GREEN 
9	RED 	BROWN 
10	RED 	GREY 
11	BLACK 	BLUE 
12	BLACK 	ORANGE 
13	BLACK 	GREEN 
14	BLACK 	BROWN 
15	BLACK 	GREY 
16	YELLOW 	BLUE 
17	YELLOW 	ORANGE 
18	YELLOW 	GREEN 
19	YELLOW 	BROWN 
20	YELLOW 	GREY 
21	VIOLET 	BLUE 
22	VIOLET 	ORANGE 
23	VIOLET 	GREEN 
24	VIOLET 	BROWN 
25	VIOLET 	GREY 

SUBUNITS



SU = Subunit

Subunit colour yarn: Wh-BI (White-Blue), Wh-Or (White-Orange), Wh-Gr (White-Green), Wh-Br (White-Brown).



Limited Fire Hazard (LFH) Cable (CW1600)

CONSTRUCTION

Conductor	Solid annealed Copper conductors 0,5 mm Ø
Insulation	Polyethylene Insulation
Earth conductor	Solid annealed Copper conductors 1,38 mm Ø *
Insulation Earth Conductor	Polyethylene Insulation
Core	20Pr Unit Type
Wrapping tape(s)	1 polyester
Ripcord	1 longitudinal ripcord
Screen	Al/PETP 12/12 µm tape
Sheath	LSF

* Suffix 'E' added to the cable type.































ELECTRICAL CHARACTERISTICS

Maximum conductor resistance (d.c.) at 20°C (0,5 mm Ø)	Ω/km	97,8
Maximum earth conductor resistance (d.c.) at 20°C (1,38 mm Ø)	Ω/km	12,4
Max. mutual capacitance	nF/km	80
Max. capacitance unbalance	pF/500m	500

COLOUR CODE

Pairs	Insulation Colour **	
	A wire	B wire
1	WHITE blue	BLUE
2	WHITE orange	ORANGE
3	WHITE green	GREEN
4	WHITE brown	BROWN
5	WHITE grey	GREY
6	RED blue	BLUE
7	RED orange	ORANGE
8	RED green	GREEN
9	RED brown	BROWN
10	RED grey	GREY
11	BLACK blue	BLUE
12	BLACK orange	ORANGE
13	BLACK green	GREEN
14	BLACK brown	BROWN
15	BLACK grey	GREY
16	YELLOW blue	BLUE
17	YELLOW orange	ORANGE
18	YELLOW green	GREEN
19	YELLOW brown	BROWN
20	YELLOW grey	GREY

** Ring markings. Base colours in capital letters.

COLOUR CODE						
Pair Size	20 PR	40 PR	80 PR	100 PR	160PR	320PR
Centre	1x20Pr	4x10PR	1x20Pr	1x20Pr	4x10Pr	1x20Pr
1 st Layer			6x10Pr	8x10Pr	6x20Pr	5x10Pr
2 nd Layer						10x10Pr
Unit N°	Colours of Unit Lappings	Colours of Unit Lappings	Colours of Unit Lappings	Colours of Unit Lappings	Colours of Unit Lappings	Colours of Unit Lappings
1	Orange 	Orange 	Orange 	Orange 	Orange 	Orange 
2		Green 	Orange 	Orange 	Green 	Orange 
3			Natural 	Natural 	Orange 	Natural 
4			Green 	Natural 	Natural 	Natural 
5				Green 	Natural 	Natural 
6					Natural 	Green 
7					Natural 	Orange 
8					Green 	Natural 
9 to 15						Natural 
15						Green 

CABLE DIMENSIONS

Cable	Sheath Radial Thickness min. (mm)	Cable Diameter max. (mm)
3PR	0,6	4,8
4PR	0,6	6,0
6PR	0,6	6,8
12PR	0,7	9,1
25PR	0,8	11,4
10PR + E	0,6	8,6
20PR + E	0,7	12,0
40PR + E	0,9	15,0
80PR + E	1,2	22,5
100PR + E	1,5	27,0
160PR + E	1,7	30,3
320PR + E	2,2	39,5



SYT PLUS

CONSTRUCTION

Conductor	Solid annealed Copper conductors - 24AWG (0,51 mm Ø) and 20AWG (0,81 mm Ø)
Insulation	PE insulation, colour identification in accordance with NF C 93-529
Core	7P or 14P unit type, in accordance with NF C 93-529
Wrapping tape(s)	1 Polyester tape helically applied with overlap
Continuity wire	1 solid tinned Copper drain wire 0,5 mm Ø
Screen	1 Al/PETP foil
Ripcord	1 (coloured Green/Grey/Red)
Sheath	Unleaded PVC outer sheath

FIRE RESISTANCE / TEMPERATURE

Fire behaviour	IEC 60332-1 and NF C 32-070 C2
Operation temperature	-10 °C / +70 °C

ELECTRICAL / TRANSMISSION CHARACTERISTICS

Electrical characteristics		24 AWG	20 AWG
Maximum loop conductor resistance (d.c.) at 20°C	Ω/km	188	74
Maximum capacitance unbalance Pair-Pair	pF/500m		300
Maximum capacitance unbalance Pair-Ground at 1MHz	pF/500m		1700
Maximum dielectric strength (1 min)	Vcc		1500
Minimum insulation resistance (2min/200V)	MΩ.km		1500
Characteristic impedance at 1MHz	Ω	100±20	

Transmission characteristics		24 AWG	20 AWG
Typical linear attenuation at			
40 kHz	dB/km	6,5	3,5
150 kHz	dB/km	9	6,5
300 kHz	dB/km	16	13
1 MHz	dB/km	30	25
2 MHz	dB/km	42	35
Near end crosstalk (NEXT)			
Typical at 1 MHz	dB		56
Minimum at 1 MHz	dB		45
Minimum at 2 MHz	dB		41

CABLE DIMENSIONS

Cable	Code		Approx. cable diameter (mm)		Approx. cable weight (kg/km)	
	24AWG	20AWG	24AWG	20AWG	24AWG	20AWG
1 Pair	690001C	6900011	4,0	5,3	22	37
2 Pairs	690002C	6900021	4,8	6,5	30	56
3 Pairs	690003C	6900031	5,3	7,3	38	71
4 Pairs	690004C	---	6,3	---	48	---
5 Pairs	690005C	6900051	6,5	8,5	55	100
7 Pairs	690007C	6900071	6,9	9,6	70	140
10 Pairs	690010C	6900101	8,2	11,8	92	190
15 Pairs	690015C	6900151	9,5	13,9	125	260
21 Pairs	690021C	6900211	11,3	16,4	175	360
30 Pairs	690030C	6900301	12,9	19,0	230	490
42 Pairs	690042C	6900421	14,7	21,9	300	650
56 Pairs	690056C	6900561	16,7	24,8	390	850
112 Pairs	6900BNC	6900BN1	22,8	34,3	720	1600

CABICTEL



TE1SE Dropwire

DESCRIPTION

Self-supported telecom cable with non-metallic strength member (aramide)

APPLICATION

External installations, supported on poles or directly on walls.

CONSTRUCTION

Conductor	Solid annealed Copper conductors
Insulation	Solid Polyethylene
Wrapping	PETP tape
Strength member	Aramid
Ripcord	Polyamide
Sheath	Polyethylene

SPECIFICATION

PT Com. ET-2346 (Type 2x2x0,5)
PT Com. ET-2347 (Type 1x2x0,8)

COLOUR CODE

Pairs	A wire	B wire
1	WHITE	BLUE
2	YELLOW	BLACK

ELECTRICAL CHARACTERISTICS

	0.5 mm Ø	0.8 mm Ø
Max. conductor resistance DC @ 20°C (Ω/km)	95	37
Max. resistance unbalance (%)	2	2
Min. insulation resistance (MΩ.km)	10000	10000
Dielectric strength (V)	1000 V DC 1500 V AC	1000 V DC 1500 V DC
Max. mutual capacitance (nF/km)	55	55
Max. capacity unbalance, pair-pair (pF/km)	300	–
Max. capacity unbalance, pair-earth (pF/km)	1000	–

TRANSMISSION CHARACTERISTICS

Frequen. kHz	Attenuat. dB/km	Charact. Imp. (Ω)	Return Loss (dB)
0,8	1,5	600 ± 50	–
64	8,0	125 ± 25	–
256	11,0	–	–
512	15,5	–	–
772	18,0	100 ± 15	> 18
1000	21,0	100 ± 15	> 18
4000	43,0	100 ± 15	> 18
10000	66,0	100 ± 15	> 15
16000	82,0	100 ± 15	> 15

CABLE DIMENSIONS

Code	Cable	Weight, app. (kg/km)	External Diam. (mm)
6535021	2 x 2 x 0,5	26,2	5,0
65351A0	1 x 2 x 0,8	26,6	5,3

CABICTEL



Jelly Filled Cellular Polyethylene Unit Twin Cable (CW-1128)

STANDARDS

- CW1128: Cable Polyethylene Twin.
- CW1179: Polyethylene Sheath for Metallic and Optical Telephone Cables.
- CW1198: Wire Armouring of Telephone Cables.
- CW1252: Cable Aerial Self Supporting Combined

INSULATION COLOUR CODE

Pairs	Colour	
	A wire	B wire
1	WHITE	BLUE
2	WHITE	ORANGE
3	WHITE	GREEN
4	WHITE	BROWN
5	WHITE	GREY
6	RED	BLUE
7	RED	ORANGE
8	RED	GREEN
9	RED	BROWN
10	RED	GREY

BINDERS COLOUR CODE

Unit Nr.	Colour
1	BLUE
2	ORANGE
3	GREEN
4	BROWN
5	GREY
6	WHITE
7	RED
8	BLACK
9	YELLOW
10	VIOLET

CABLE CHARACTERISTICS

Electrical characteristics

Parameter	Unit	0,4	0,5	0,6	0,63	0,9
Nominal Diameter	mm	0,4	0,5	0,6	0,63	0,9
Maximum conductor resistance (d.c.) at 20°C	Ω/km	143	91	63	58	28
Maximum average mutual capacitance at 800Hz	nF/km	56	56	42	56	59
Maximum mutual capacitance for 99% of cases at 800Hz	nF/km	64	64	46	64	65
Maximum capacitance unbalance Pair-Pair at 800Hz	pF/500m	275	275	275	275	275
Minimum insulation resistance (1min/500V)	MΩ.km	1500	1500	1500	1500	1500

Note: For screened cables of 20 pairs or less the maximum average mutual capacitance shall not apply and the maximum for 99% of cases shall be increased by 3nF/km.

Other characteristics

Water Penetration Test (IEC 60708-1, clause 20.2)	Pass
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CABLE DIMENSIONS

Pairs	Max. Unarmoured Cable diameter (mm)	Max. Screened Cable diameter (mm)	Max. Armoured Cable diameter (mm)
5PR0,4	7,5	9,0	12,7
10 PR0,4	8,5	10,0	13,7
20 PR0,4	10,0	11,5	15,2
50 PR0,4	14,0	15,5	19,9
100 PR0,4	18,5	20,0	25,3
5PR0,5	8,0	9,5	13,2
10 PR0,5	9,5	11,0	14,7
20 PR0,5	12,0	13,5	17,2
50 PR0,5	16,5	18,0	23,3
100 PR0,5	22,0	23,5	29,0
5PR0,6	11,0	12,5	16,2
10 PR0,6	13,0	14,5	18,9
20 PR0,6	16,0	17,5	22,8
50 PR0,6	24,0	25,5	31,0
100 PR0,6	32,0	33,5	40,2
5PR0,63	9,5	11,0	14,7
10 PR0,63	11,5	13,0	16,7
20 PR0,63	14,0	15,5	19,9
50 PR0,63	20,5	22,0	27,5
100 PR0,63	27,5	29,0	35,5
5PR0,9	11,5	13,0	16,7
10 PR0,9	14,0	15,5	19,9
20 PR0,9	18,0	19,5	24,8
50 PR0,9	26,5	28,0	34,5
100 PR0,9	36,0	37,4	44,4

CABLE SUSPENSION

Specified max. diameter of cable (mm)	Type of Cable Suspension	Web Height (mm)	Web Width (mm)
≤ 13,0	1 x 2,65	1,5 ± 1,0	2,0 ± 1,0
13,1 - 36,0	7 x 1,6	2,0 ± 1,0	3,5 ± 1,0

CABLE DESCRIPTION

CABLE	CW1128	CW1128/1179	CW1128/1198	CW1128/1179/1198	CW1128/1252	CW1128/1179/1252
Conductor						
Solid annealed Copper conductors	●	●	●	●	●	●
Insulation						
Cellular polyethylene insulation	●	●	●	●	●	●
Core						
10P unit type	●	●	●	●	●	●
Filling						
Petroleum jelly filling compound	●	●	●	●	●	●
Wrapping tape(s)						
1 or more paper wrappings	●	●	●	●	●	●
Ripcord						
1 longitudinal ripcord	●	●	●	●	●	●
Screen						
Aluminium / Polyethylene tape	○	●	○	●	○	●
Sheath						
Black polyethylene sheath	●	●	●	●	●	●
Armour						
Galvanized steel wires	○	○	●	●	○	○
Sheath						
Black polyethylene sheath	○	○	●	●	○	○
Cable Suspension						
	○	○	○	○	●	●

- - Included in the cable.
- - Not included in the cable.

MAKE-UP	
Pairs	Make-Up
5PR	1x5PR
10 PR	1x10PR
20 PR	4x5PR
50 PR	5x10PR
100 PR	10x10PR

Polyethylene Unit Twin Cable (CW1171/1179)

STANDARD

CW1171: Cable Polyethylene Unit Twin (Terminating Type).
 CW1179: Polyethylene Sheath for Metallic and Optical Telephone Cables .

CONSTRUCTION

Conductor	Solid annealed Copper conductors
Insulation	Solid polyethylene insulation
Core	25P unit type
Wrapping tape(s)	1 polyester tape + 1 paper tape
Ripcord	1 longitudinal ripcord
Screen	Aluminium / Polyethylene tape
Sheath	Black polyethylene sheath

ELECTRICAL AND OTHER CHARACTERISTICS

Electrical characteristics

Nominal conductor diameter	(mm)	0,4	0,5	0,63	0,9
Maximum conductor resistance (d.c.) at 20°C	(Ω/km)	150	96	60	30
Maximum average mutual capacitance at 800Hz	nF/km)	53	53	56	59
Maximum mutual capacitance for 99% of cases at 800Hz	(nF/km)	60	60	60	64
Maximum capacitance unbalance pair-pair at 800Hz	(pF/500m)	275	275	275	275
Minimum insulation resistance (1min/500V)	(MΩ.km)	6500	6500	6500	6500

COLOUR CODE

Pairs	Insulation Colour	
	A wire	B wire
1	WHITE	BLUE
2	WHITE	ORANGE
3	WHITE	GREEN
4	WHITE	BROWN
5	WHITE	GREY
6	RED	BLUE
7	RED	ORANGE
8	RED	GREEN
9	RED	BROWN
10	RED	GREY
11	BLACK	BLUE
12	BLACK	ORANGE
13	BLACK	GREEN
14	BLACK	BROWN
15	BLACK	GREY
16	YELLOW	BLUE
17	YELLOW	ORANGE
18	YELLOW	GREEN
19	YELLOW	BROWN
20	YELLOW	GREY
21	VIOLET	BLUE
22	VIOLET	ORANGE
23	VIOLET	GREEN
24	VIOLET	BROWN
25	VIOLET	GREY

COLOURS OF BINDERS IN DOUBLE (50PR) & QUADRUPLE (100PR) UNITS

Unit	Position of sub-unit or unit			
	1	2	3	4
Double	Bl	Bl	Or	Or
Quadruple	Bl	Or	Gr	Br

COLOURS OF BINDERS IN CENTRE AND LAYERS

Position units		
First	Intermediate	Last
RED	NATURAL	GREEN

CABLE DIMENSIONS		
Cable type	Approx. cable diameter (mm)	Approx. cable weight (kg/km)
0,4mm diameter conductor		
50	13,0	207
100	17,0	368
200	22,0	688
300	26,0	991
400	29,5	1300
500	32,5	1600
600	35,0	1900
800	40,0	2505
1000	44,0	3085
1200	48,0	3675
1600	55,0	4855
2000	61,0	6000
0,5mm diameter conductor		
50	16,0	305
100	21,0	555
200	28,0	1055
300	33,0	1550
400	38,0	2025
500	42,0	2505
600	45,0	2965
800	52,0	3925
1000	57,0	4850
1200	62,0	5780
0,63mm diameter conductor		
50	19,0	445
100	25,5	835
200	34,0	1580
300	41,0	2325
400	47,0	3050
500	52,0	3770
600	56,5	4485
800	64,5	5930
0,9mm diameter conductor		
50	24,0	825
100	32,5	1585

MAKE-UP	
Pairs	Make-Up
50	1x50 (2x12 + 2x13)
100	4x25
200	4x50
300	1x50 + 5x50
400	1x100 + 6x50
500	3x50 + 7x50
600	1x100 + 5x100
800	4x50 + 6x100
1000	3x100 + 7x100
1200	4x100 + 8x100
1600	1x100 + 5x100 + 10x100
2000	4x50 + 6x100 + 12x100

CABICTEL



Internal/External Telephone Cable (CW1308B)

CONSTRUCTION

Conductor	Solid annealed Copper conductors 0,5 mm Ø
Insulation	PVC
Earth conductor	Solid annealed Copper conductor 1,38 mm Ø
Insulation earth conductor	PVC
Core	Unit Type
Wrapping tape(s)	Polyester
Ripcord	1 longitudinal ripcord
Screen	Al/PE 150/40 µm tape
Sheath	LSF

ELECTRICAL AND OTHER CHARACTERISTICS

Electrical characteristics

Maximum conductor resistance (d.c.) at 20°C (0,5 mmØ)	Ω/km	97,8
Maximum earth conductor resistance (d.c.) at 20°C (1,38 mmØ)	Ω/km	12,4
Max. capacitance unbalance	pF/500m	500

Improved Fire Characteristics of Outer Sheath

























Flame retardant	IEC 60332-1
Acid gas emission	IEC 60754-1
Corrosivity	IEC 60754-2

COLOUR CODE

Pairs	Insulation Colour *			
	A wire		B wire	
1	WHITE	blue	BLUE	white
2	WHITE	orange	ORANGE	white
3	WHITE	green	GREEN	white
4	WHITE	brown	BROWN	white
5	WHITE	grey	GREY	white
6	RED	blue	BLUE	red
7	RED	orange	ORANGE	red
8	RED	green	GREEN	red
9	RED	brown	BROWN	red
10	RED	grey	GREY	red
11	BLACK	blue	BLUE	black
12	BLACK	orange	ORANGE	black
13	BLACK	green	GREEN	black
14	BLACK	brown	BROWN	black
15	BLACK	grey	GREY	black
16	YELLOW	blue	BLUE	yellow
17	YELLOW	orange	ORANGE	yellow
18	YELLOW	green	GREEN	yellow
19	YELLOW	brown	BROWN	yellow
20	YELLOW	grey	GREY	yellow
21	VIOLET	blue	BLUE	violet
22	VIOLET	orange	ORANGE	violet
23	VIOLET	green	GREEN	violet
24	VIOLET	brown	BROWN	violet
25	VIOLET	grey	GREY	violet

* Ring markings. Base colours in capital letters.

COLOUR CODE

Pair size	10 PR	20 PR	50 PR	75 PR ***	80 PR	100PR	200PR ***
Centre	1x10Pr	1x20Pr	5x10Pr	3x25Pr	1	1x20Pr	3x20Pr
1st layer					6x10Pr	8x10Pr	7x10Pr
Unit N°	Colours of unit lappings	Colours of unit lappings	Colours of unit lappings	Colours of unit lappings	Colours of unit lappings	Colours of unit lappings	Colours of unit lappings
1	Orange 	Orange 	Orange 	Orange 	Orange 	Orange 	Orange 
2			Natural 	Natural 	Orange 	Orange 	Natural 
3			Green** 	Green 	Natural 	Natural 	Green 
4					Green 	Natural 	Green 
5						Green 	Natural 
6							Natural 
7							Green** 

** The Green colour lapping shall be applied to the 10PR last unit .

*** Not included in CW1308B.

CABLE DIMENSIONS

Cable type	Approx. cable diameter (mm)	Approx. cable weight (kg/km)
10PR + E	7,0	98
20PR + E	9,0	155
50PR + E	13,5	325
75PR + E**	16,0	470
80PR + E	16,5	495
100PR + E	19,0	610
200PR + E***	25,6	1155

*** Not included in CW1308B.

CABICTEL

The CABICTEL range includes different types of communication cables, including telecom, coaxial and data transmission cables not included in the JetLan types.



Category 5e UTP solid cable

CONSTRUCTION

Conductor	24 AWG (0,51 mm) solid annealed Copper
Insulation	Polyolefin
Pairing	Varying short pair lay-length
Sheath	Grey PVC

APPLICATIONS

- 10BASE-T (IEEE 802.3)
- 4/16 Mbps Token Ring (IEEE 802.5)
- 100Base-VG-AnyLan
- 100 Mbps TP-PMD (ANSI X3T9.5)
- 100BASE-T (IEEE 802.3)
- 55/155 Mbps ATM
- 1000BASE-T (Gigabit Ethernet)

COMPLIANCES

ANSI/TIA/EIA 568-B.2 (Category 5e)
ISO/IEC 11801, IEC 61156-5
EN 50173
IEC 60332-1 and EN 50265-2-1 (flame retardant cable)

CERTIFICATION

EC Verified (DELTA)



MAX. OPERATING
TEMPERATURE 70 °C



UNFIRE®
Flame retardant
EN 50265-2-1 / IEC 60332-1



ELECTRICAL AND CONSTRUCTIVE VALUES

DC resistance (max) Ohm/100m(328 ft) @ 20°C		8,90
Mutual capacitance (nominal) nF/100m(328 ft) @ 1kHz		4,59
Nominal velocity of propagation NVP (% speed of light)		70
Characteristic impedance (Ohm)		(min-max) 87-117
Value at	772 kHz 1.0 - 200 MHz	85-115
Return Loss (RL) dB (min)		20+5 log (f) 25
Value at	1.0 - 10 MHz 10 - 20 MHz 20 - 100 MHz	20-7 log (f/20) 25
Propagation Delay (max) (ns @ 10 MHz)		518
Delay skew (max) (ns/100 m)		45
External diameter (mm)		5,2
Weight (kg/km)		31,2
Minimum bending radius (mm)		20,6

Frequen. MHz	Attenuat. Max. dB/100m	NEXT dB/100m (min)	ACR dB/100m (min)	PS- NEXT dB/100m (min)	ELFEXT dB/100m (min)	PS- ELFEXT dB/100m (min)
0,772	1,8	67	65,2	64	66	63
1	2,04	65,33	63,29	62,33	63,78	60,78
4	4,05	56,28	52,23	53,28	51,71	48,71
8	5,77	51,77	46	48,77	45,69	42,69
10	6,47	50,31	43,84	47,31	43,75	40,75
16	8,25	47,25	39	44,25	39,67	36,67
25	10,42	44,35	33,93	41,35	35,79	32,79
31,2	11,71	42,9	31,19	39,9	33,87	30,87
62,5	16,99	38,38	21,39	35,38	27,83	24,83
100	21,97	35,31	13,34	32,31	23,75	20,75
125	24,89	33,85	8,96	30,85	21,8	18,8

ORDERING INFORMATION

Code	Pairs/AWG	Sheath	Packing
529204CC4P	4/24	Grey PVC	305 m Pull-Pac boxes
529304CC4P	4/24	Grey PVC	Spools 500 / 1.000 m

COLOUR CODE

Pairs	Colour combination
1	white blue blue
2	white orange orange
3	white green green
4	white brown brown



Category 5e FTP solid cable

CONSTRUCTION

Conductor	24 AWG (0,51 mm) solid annealed Copper
Insulation	Polyolefin
Pairing	Varying short pair lay-length
Screen	Aluminium / Polyester foil
Drain wire	Solid 24 AWG (0,51 mm) tinned Copper
Ripcord	Polyester yarn, under the sheath
Sheath	Grey PVC

APPLICATIONS

- 10BASE-T (IEEE 802.3)
- 4/16 Mbps Token Ring (IEEE 802.5)
- 100Base-VG-AnyLan
- 100 Mbps TP-PMD (ANSI X3T9.5)
- 100BASE-T (IEEE 802.3)
- 55/155 Mbps ATM
- 1000BASE-T (Gigabit Ethernet)

COMPLIANCES

IEC 60332-1, UNE 50265-2-1 (flame retardant cable)
ANSI/TIA/EIA 568-B.2 (Category 5e)
ISO/IEC 11801
EN 50173

CERTIFICATION

EC Verified (DELTA)



MAX. OPERATING
TEMPERATURE 70 °C



UNFIRE®
Flame retardant
EN 50265-2-1 / IEC 60332-1



ELECTRICAL AND CONSTRUCTIVE VALUES

DC resistance (max) Ohm/100m(328 ft) @ 20°C	8,90	
Mutual capacitance (nominal) nF/100m(328 ft) @ 1kHz	4,59	
Nominal velocity of propagation NVP (% speed of light)	70	
Characteristic impedance (Ohm)	(min-max)	
Value at 772 kHz	87-117	
Value at 1.0 - 200 MHz	85-115	
Return Loss (RL) dB (min)		
Value at 1.0 - 10 MHz	20+5 log (f)	
Value at 10 - 20 MHz	25	
Value at 20 - 100 MHz	20-7 log (f/20)	
Propagation Delay (max) (ns @ 10 MHz)	518	
Delay skew (max) (ns/100 m)	45	
External diameter (mm)	5,5	
Weight (kg/km)	36	
Minimum bending radius (mm)	22	

Frequen. MHz	Attenuat. Max. dB/100m	NEXT dB/100m (min)	PS-NEXT dB/100m (min)	ELFEXT dB/100m (min)	PS-ELFEXT dB/100m (min)	ACR dB/100m (min)	PS-ACR dB/100m (min)
0,772	1,6	85,1	82,2	85,9	84,4	83,5	80,6
1	1,9	83,2	80,3	83,8	82,2	81,3	78,4
4	3,6	72,9	70,3	72,5	70,8	69,3	66,7
8	5,1	67,8	65,3	66,8	65,1	62,7	60,2
10	5,7	66,1	63,7	65	63,3	60,4	58
16	7,2	62,6	60,4	61,1	59,4	55,4	53,2
25	9,1	59,3	57,1	57,5	55,8	50,2	48
31,25	10,2	57,6	55,5	55,7	53,9	47,4	45,3
62,5	14,4	52,5	50,5	50	48,2	38,1	36,1
100	18,3	49	47,1	46,1	44,4	30,7	28,8
125	20,5	47,3	45,5	44,3	42,5	26,8	25

ORDERING INFORMATION

Code	Pairs/AWG	Sheath	Packing
535304CC4P	4/24	Grey PVC	305 m Pull-Pac boxes
535504CC4P	4/24	Grey PVC	Spools 500 / 1.000 m

COLOUR CODE

Pairs	Colour combination
1	white blue blue
2	white orange orange
3	white green green
4	white brown brown

CABICTEL

Cat 5e UTP solid cable for outdoor installation



CONSTRUCTION

Conductor	24 AWG (0,51 mm) solid bare annealed Copper
Insulation	Polyolefin
Pairing	Varying short pair lay-length
Inner sheath	Grey PVC
Over sheath	Black PE

APPLICATIONS

- 10BASE-T (IEEE 802.3)
- 4/16 Mbps Token Ring (IEEE 802.5)
- 100Base-VG-AnyLan
- 100 Mbps TP-PMD (ANSI X3T9.5)
- 100BASE-T (IEEE 802.3)
- 55/155 Mbps ATM
- 1000BASE-T (Gigabit Ethernet)

COMPLIANCES

ANSI/TIA/EIA 568-B.2 (Category 5e)
ISO/IEC 11801, IEC 61156-5
EN 50173

ELECTRICAL AND CONSTRUCTIVE VALUES

DC resistance (max) Ohm/100m(328 ft) @ 20°C	8,90
Mutual capacitance (nominal) nF/100m(328 ft) @ 1kHz	4,59
Nominal velocity of propagation NVP (% speed of light)	70
Characteristic impedance (Ohm) Value at	(min-max) 772 kHz 1.0 - 200 MHz 87-117 85-115
Propagation Delay (max) (ns @ 10 MHz)	518
Diameter (mm)	6,6

Frequen. MHz	Attenuat. Max. dB/100m	NEXT dB/100m (min)	ACR dB/100m (min)	PS- NEXT dB/100m (min)	ELFEXT dB/100m (min)	PS- ELFEXT dB/100m (min)
0,772	1,8	67	65,2	64	66	63
1	2,04	65,33	63,29	62,33	63,78	60,78
4	4,05	56,28	52,23	53,28	51,71	48,71
8	5,77	51,77	46	48,77	45,69	42,69
10	6,47	50,31	43,84	47,31	43,75	40,75
16	8,25	47,25	39	44,25	39,67	36,67
25	10,42	44,35	33,93	41,35	35,79	32,79
31,2	11,71	42,9	31,19	39,9	33,87	30,87
62,5	16,99	38,38	21,39	35,38	27,83	24,83
100	21,97	35,31	13,34	32,31	23,75	20,75
125	24,89	33,85	8,96	30,85	21,8	18,8

ORDERING INFORMATION

Code	Pairs/AWG	Sheath	Packing
52934A1NGP	4/24	Black PE	Spools 1.000 m

COLOUR CODE

Pairs	Colour combination
1	white blue blue
2	white orange orange
3	white green green
4	white brown brown



MAX. OPERATING
TEMPERATURE 70 °C

CABICTEL

Category 5e FTP solid cable for outdoor installation



CONSTRUCTION

Conductor	24 AWG (0,51 mm), solid bare annealed Copper
Insulation	Polyolefin
Pairing	Varying short pair lay-lengths
Screen	Aluminium / polyester foil
Drain wire	Solid tinned Copper 24 AWG (0,51 mm)
Inner sheath	Grey PVC
Over sheath	Black PE

APPLICATIONS

- 10BASE-T (IEEE 802.3)
- 4/16 Mbps Token Ring (IEEE 802.5)
- 100Base-VG-AnyLan
- 100 Mbps TP-PMD (ANSI X3T9.5)
- 100BASE-T (IEEE 802.3)
- 55/155 Mbps ATM
- 1000BASE-T (Gigabit Ethernet)

COMPLIANCES

ANSI/TIA/EIA 568-B.2 (Category 5e)
ISO/IEC 11801
EN 50173

ELECTRICAL AND CONSTRUCTIVE VALUES

DC resistance (max) Ohm/100m(328 ft) @ 20°C	8,90
Mutual capacitance (nominal) nF/100m(328 ft) @ 1kHz	4,59
Nominal velocity of propagation NVP (% speed of light)	70
Characteristic impedance (Ohm) Value at	(min-max) 772 kHz 1.0 - 200 MHz 87-117 85-115
Propagation Delay (max) (ns @ 10 MHz)	518
External diameter (mm)	6,87
Weight (kg/km)	48,3
Minimum bending radius (mm)	34

Frequen. MHz	Attenuat. Max. dB/100m	NEXT dB/100m (min)	ACR dB/100m (min)	PS- NEXT dB/100m (min)	ELFEXT dB/100m (min)	PS- ELFEXT dB/100m (min)
0,772	1,8	67	65,2	64	66	63
1	2,04	65,33	63,29	62,33	63,78	60,78
4	4,05	56,28	52,23	53,28	51,71	48,71
8	5,77	51,77	46	48,77	45,69	42,69
10	6,47	50,31	43,84	47,31	43,75	40,75
16	8,25	47,25	39	44,25	39,67	36,67
25	10,42	44,35	33,93	41,35	35,79	32,79
31,2	11,71	42,9	31,19	39,9	33,87	30,87
62,5	16,99	38,38	21,39	35,38	27,83	24,83
100	21,97	35,31	13,34	32,31	23,75	20,75
125	24,89	33,85	8,96	30,85	21,8	18,8

ORDERING INFORMATION

Code	Pairs/AWG	Sheath	Packing
53554AONGP	4/24	Black PE	Spools 1.000 m

COLOUR CODE

Pairs	Colour combination
1	white blue blue
2	white orange orange
3	white green green
4	white brown brown



MAX. OPERATING
TEMPERATURE 70 °C

CABICTEL Coaxial cables

TV coaxial drop cable



TECHNICAL DESIGNATION

Digital TV 75 Ohm coaxial cable

APPLICATIONS

- Installation of TV aerials (analogic or digital SAT)
- May be used for individual or collective systems

DIMENSIONS

Central conductor diameter (mm)	1,0	Cu
Dielectric diameter (mm)	4,6	PE
Screen - covering (%)	100	Al/PETP
Dimensions (mm)	5,1	
Braid - coverage (%)	21	Cu
External diameter (mm)	6,6	PVC

ELECTRICAL AND CONSTRUCTIVE VALUES

Impedance (Ohm)	75 ± 2
Capacitance (pF/m)	55 ± 3
Velocity of propagation	82%
DC resistance of conductors at 20 °C (int/ext)	22/33

Frequency (20°C) Mhz	50	200	450	862	1000	1350	1750	2050	2150
Attenuation (dB/100m)	4,7	8,9	13,6	19,3	21	24,8	28,6	31,3	32,1
Return Loss	5-460 Mhz >26 dB		460-1000 Mhz >25 dB		1000-2150 Mhz >24 dB				

ORDERING INFORMATION

Code	Packing
C001320BLP	100 m coils (Pallets with 3500 or 5600 m)

CabICTel Al coaxial cable



TECHNICAL DESIGNATION

Cabictel Al Digital 75 Ohm coaxial cable

APPLICATIONS

- Radio, TV, CATV (analogic or digital)
- May be used for main drop lines

DIMENSIONS

Central conductor diameter (mm)	1,13	Cu
Dielectric diameter (mm)	4,8	PE
Screen - covering (%)	100	Al3
Dimensions (mm)	5,4	
Braid - coverage (%)	46	CuSn
External diameter (mm)	6,7	PVC

ELECTRICAL AND CONSTRUCTIVE VALUES

Impedance (Ohm)	75 ± 2
Capacitance (pF/m)	52 ± 2
Velocity of propagation	85%
DC resistance of conductors at 20 °C (int/ext)	18/20

Frequency (20°C) Mhz	50	200	450	862	1000	1350	1750	2050	2150
Attenuation (dB/100m)	3,8	7,8	11,9	16,8	18,3	21,5	24,8	27,2	27,9
Return Loss	5-460 Mhz >26 dB		460-1000 Mhz >25 dB		1000-2150 Mhz >24 dB				

ORDERING INFORMATION

On request

CablCTel coaxial cable



TECHNICAL DESIGNATION

Digital 75 Ohm coaxial cable

APPLICATIONS

- Radio, TV, CATV (analogic or digital)
- Particularly suited for special installations with very low losses

DIMENSIONS

Central conductor diameter (mm)	1,13	Cu
Dielectric diameter (mm)	4,8	PE
Screen - covering (%)	100	Cu/PETP
Dimensions (mm)	5,4	
Braid - coverage (%)	38	Cu
External diameter (mm)	6,8	PVC

ELECTRICAL AND CONSTRUCTIVE VALUES

Impedance (Ohm)	75 ± 2
Capacitance (pF/m)	52 ± 2
Velocity of propagation	85%
DC resistance of conductors at 20 °C (int/ext)	18/23

Frequency (20°C) Mhz	50	200	450	862	1000	1350	1750	2050	2150
Attenuation (dB/100m)	3,7	7,6	11,7	16,6	18	21,2	24,5	26,8	27,5
Return Loss	5-460 Mhz >25 dB		460-1000 Mhz >23 dB		1000-2150 Mhz >20 dB				

ORDERING INFORMATION

Code	Packing
C001321BLP	100 m coils (pallets with 3500 and 5600 m)
C001322BLP	100 m spools (pallets with 3000 and 6000 m)

Cabictel CA TV coaxial cable



TECHNICAL DESIGNATION

Digital 75 Ohm coaxial drop cable

APPLICATIONS

- Coaxial cable for distribution drops in digital or satellite systems.
- Specially designed for cable TV reception, satellite or terrestrial (analogic or digital)

DIMENSIONS

Central conductor diameter (mm)	1,63	Cu
Dielectric diameter (mm)	7,1	PE
Screen - covering (%)	100	Cu/PETP
Dimensions (mm)	7,8	
Braid - coverage (%)	80	Cu
External diameter (mm)	9,8	PE

ELECTRICAL AND CONSTRUCTIVE VALUES

Impedance (Ohm)	75 ± 2
Capacitance (pF/m)	52 ± 2
Velocity of propagation	85%
DC resistance of conductors at 20 °C (int/ext)	18/20

Frequency (20°C) Mhz	50	200	450	862	1000	1350	1750	2050	2150
Attenuation (dB/100m)	2,7	5,5	8,4	11,9	12,8	15,2	17,2	18,4	19,2
Return Loss	5-460 Mhz >26 dB		460-1000 Mhz >25 dB		1000-2150 Mhz >24 dB				

ORDERING INFORMATION

On request

CABICTEL RG MIL

RG 58C/U



TECHNICAL DESIGNATION

RG-58 C/U MIL C-17 coaxial cable

APPLICATIONS

- Coaxial cable for radiofrequencies with a large application in communications, particularly suited for data transmission. Complies with MIL Standard Part C-17.

DIMENSIONS

Central conductor diam. (mm)	19x0,8	CuSn
Dielectric diameter (mm)	2,95	PE
Screen - covering (ø mm)	3,45	
Braid - coverage (%)	94	CuSn
External diameter (mm)	5,0	PVC

ELECTRICAL AND CONSTRUCTIVE VALUES

Impedance (Ohm)	50±2
Capacitance (pF/m)	100±2
Velocity of propagation	66%
DC resistance of conductors at 20 °C (int/ext)	37,5/14

Frequency (20°C) Mhz	100	200	400	600	800	1000
Attenuation (dB/100m)	14,9	22,2	33,1	41,7	52,0	59,1
Return Loss	5-300 Mhz		300-600 Mhz		600-1000 Mhz	
	>30 dB		>25 dB		>23 dB	

ORDERING INFORMATION

Code	Packing
C001262NGP	Spools 1.000m.

RG 59B/U



TECHNICAL DESIGNATION

RG-59 MIL C-17 coaxial cable

APPLICATIONS

- Coaxial cable for radiofrequencies with a large application in communications, particularly suited for data transmission. Complies with MIL Standard Part C-17.

DIMENSIONS

Central conductor diameter (mm)	0,58	FeCu
Dielectric diameter (mm)	3,7	PE
Screen - covering (mm)	4,3	
Braid - coverage (%)	94	Cu
External diameter (mm)	6,15	PVC

ELECTRICAL AND CONSTRUCTIVE VALUES

Impedance (Ohm)	75±2
Capacitance (pF/m)	67±2
Velocity of propagation	66%
DC resistance of conductors at 20 °C (int/ext)	157/9

Frequency (20°C) Mhz	100	200	400	600	800	1000
Attenuation (dB/100m)	11,0	16,3	23,6	29,8	31,1	38,6
Return Loss	5-300 Mhz		300-600 Mhz		600-1000 Mhz	
	>30 dB		>25 dB		>23 dB	

ORDERING INFORMATION

Code	Packing
C001264NGP	Spools 1.000m.

RG 11 A/U



TECHNICAL DESIGNATION

RG-11 A/U MIL C-17 coaxial cable

APPLICATIONS

- Coaxial cable for radiofrequencies with a large application in communications, particularly suited for data transmission. Complies with MIL Standard Part C-17.

DIMENSIONS

Central conductor diam. (mm)	7x0,40	CuSn
Dielectric diameter (mm)	7,25	PE
Screen - covering (ø mm)	8	
Braid - coverage (%)	96	Cu
External diameter (mm)	10,3	PVC

ELECTRICAL AND CONSTRUCTIVE VALUES

Impedance (Ohm)	75 ± 2
Capacitance (pF/m)	67 ± 2
Velocity of propagation	66%
DC resistance of conductors at 20 °C (int/ext)	21/4,3

Frequency (20°C) Mhz	100	200	400	600	800	1000
Attenuation (dB/100m)	6,5	10,0	14,2	18,7	23,0	26,6
Return Loss	5-300 Mhz		300-600 Mhz		600-1000 Mhz	
	>30 dB		>25 dB		>23 dB	

ORDERING INFORMATION

Code	Packing
C001260NGP	Spools 1.000m.

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