

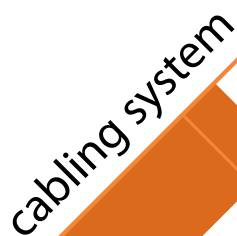
TWISTED PAIR & SOLAR COPPER CABLES

PRODUCT CATALOG

Copix



Copix



cabling system

Table of Contents

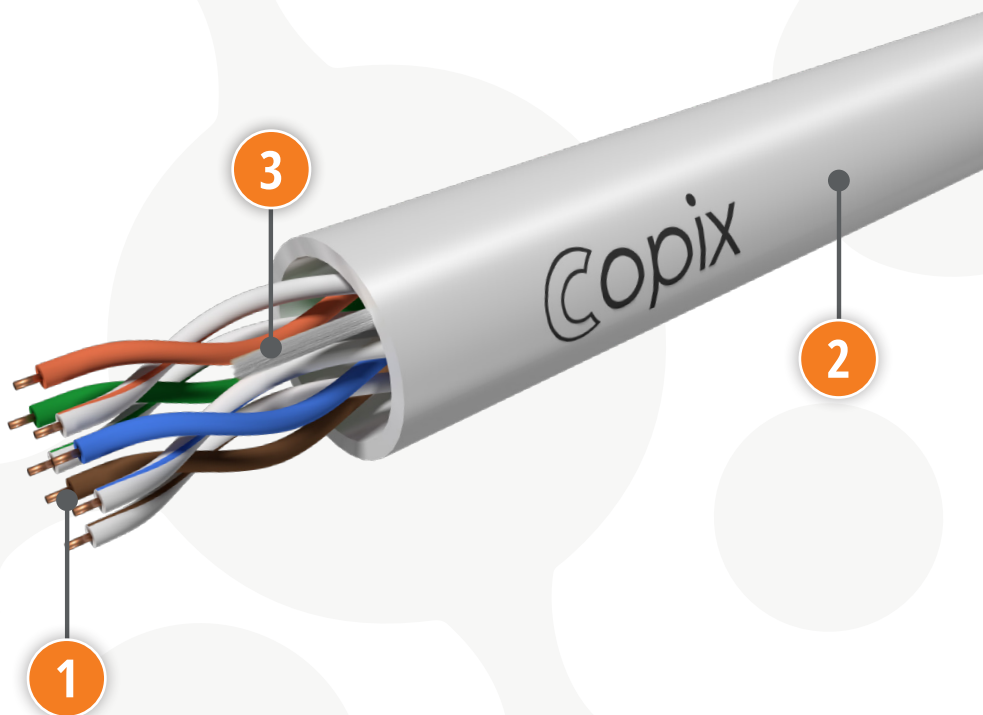
TWISTED PAIR COPPER CABLES	5
CATEGORY 5E	5
Copix CAT5E U/UTP LSZH, AWG24 Installation Cable.	5
Copix CAT5E U/UTP PVC, AWG24 Installation Cable.	6
Copix CAT5E U/UTP PVC, AWG26 (Stranded) Installation Cable.	7
Copix CAT5E U/UTP PVC, AWG27 Installation Cable	8
Copix CAT5E U/UTP PE, AWG24 Installation Cable	9
Copix CAT5E U/UTP PE, AWG24 Installation Cable, gelled	10
Copix CAT5E F/UTP PE, AWG24 Installation Cable	11
Copix CAT5E F/UTP PE, AWG24 Installation Cable, gelled	12
CATEGORY 6	13
Copix CAT6 U/UTP PVC, AWG23 Installation Cable.	13
Copix CAT6 U/UTP LSZH, AWG23 Installation Cable	14
Copix CAT6 F/UTP PE , AWG23 Installation Cable	15
CATEGORY 7	16
Copix CAT7 S/FTP LSZH, AWG23 Installation Cable	16
SOLAR CABLES	17
Solar Cable Copix SC101 1.0/1.5kV 1x4mm2	17
Solar Cable Copix SC201 1.0/1.5kV 1x6mm2	18

Copix CAT5E U/UTP LSZH, AWG24 Installation Cable

AWG24 4PAIRS

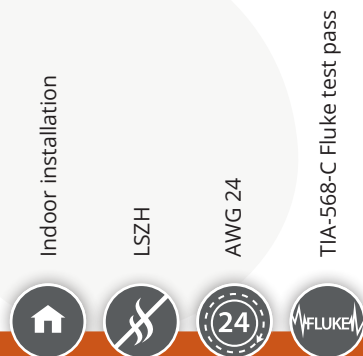
FEATURES:

- 100% Copper content
- 24 AWG (0.51mm cross-section)
- Category 5e performance
- Color-coded wire insulation
- High quality LSZH jacket
- Compliance with CPR regulations
- Cable marking every 1m
- TIA-568-C Fluke test pass warranty



CABLE CONSTRUCTION

1. Conductor - 100% copper in HDPE insulation
2. LSZH outer jacket (white)
3. Ripcords for tear the outer-sheath



Product information									
Cable version	The total number of pairs	Weight [kg/km] (±10%)	Ø Cable [mm] (±0.1)	Ø Copper with HDPE insulation [mm] (±0.03)	Wire solid	Coating material & thickness [mm] (±0.05)	Temp. range installation	Temp. range operating, transport	Sheath color
U/UTP	4	32.5	5.1	0.88	AWG24 (0.51mm)	LSZH (0.5)	-10° to +50° C	-20° to +70° C	White

Compliance with standards	Supported applications
ISO/IEC 11801, EN 50173-1, IEC 61156-5, EN 50288-3-1, ANSI/TIA/EIA 568-C.2, IEC 60332-1-2 (PN-EN 60332-1-2), IEC 60754-1/2, IEC 61034-1/2	100Base-TX, 100Base-T, 100VG-AnyLAN, 1000Base-T (Gigabit Ethernet), 1000Base-TX, ATM

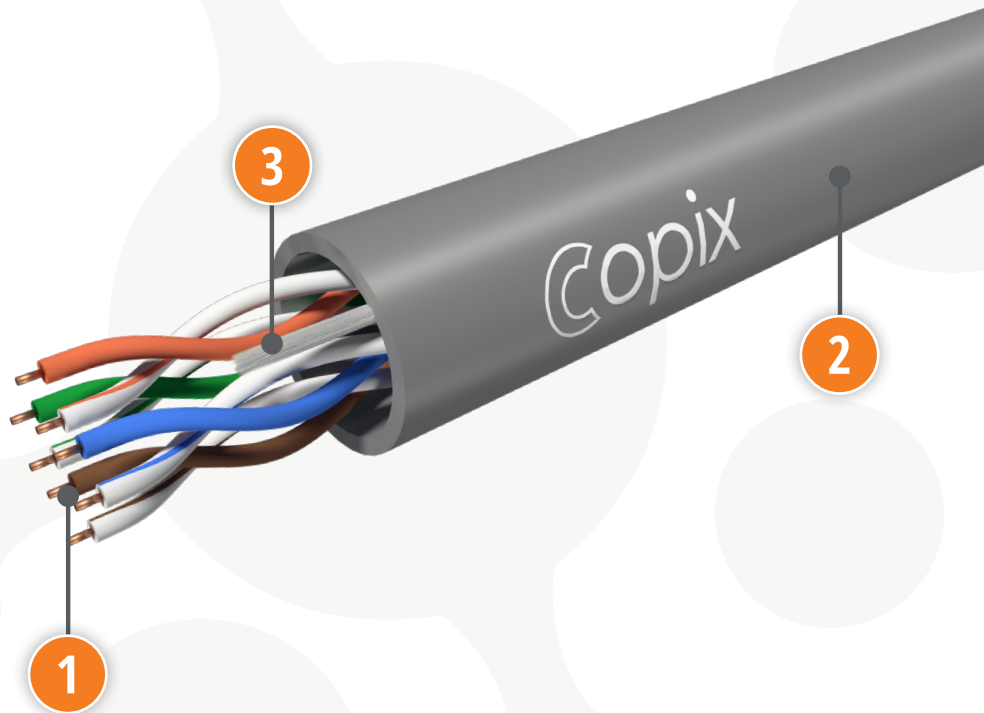
Performance parameters		Color of pairs			
NVP	69%	1. White/Blue Blue		2. White/Orange Orange	
Propagation delay	≤535 ns/100m				
Delay skew	≤45 ns/100m	3. White/Green Green		4. White/Brown Brown	
Copper	CU 100%				

Copix CAT5E U/UTP PVC, AWG24 Installation Cable

AWG24 4PAIRS

FEATURES:

- 100% Copper content
- 24 AWG (0.51mm cross-section)
- Category 5e performance
- Color-coded wire insulation
- High quality FR PVC jacket
- Compliance with CPR regulations
- Cable marking every 1m
- TIA-568-C Fluke test pass warranty



CABLE CONSTRUCTION

1. Conductor - 100% copper in HDPE insulation
2. FR PVC outer jacket (gray)
3. Ripcords for tear the outer-sheath



Product information									
Cable version	The total number of pairs	Weight [kg/km] (±10%)	Ø Cable [mm] (±0.1)	Ø Copper with HDPE insulation [mm] (±0.03)	Wire solid	Coating material & thickness [mm] (±0.05)	Temp. range installation	Temp. range operating, transport	Sheath color
U/UTP	4	32.5	5.1	0.88	AWG24 (0.51mm)	FR PVC (0.5)	-10° to +50° C	-20° to +60° C	Gray

Compliance with standards	Supported applications
ISO/IEC 11801, EN 50173-1, IEC 61156-5, EN 50288-3-1, ANSI/TIA/EIA 568-C.2, IEC 60332-1-2 (PN-EN 60332-1-2)	100Base-TX, 100Base-T, 100VG-AnyLAN, 1000Base-T (Gigabit Ethernet), 1000Base-TX, ATM

Performance parameters		Color of pairs			
NVP	69%	1. White/Blue Blue		2. White/Orange Orange	
Propagation delay	≤535 ns/100m	3. White/Green Green		4. White/Brown Brown	
Delay skew	≤45 ns/100m				
Copper	CU 100%				

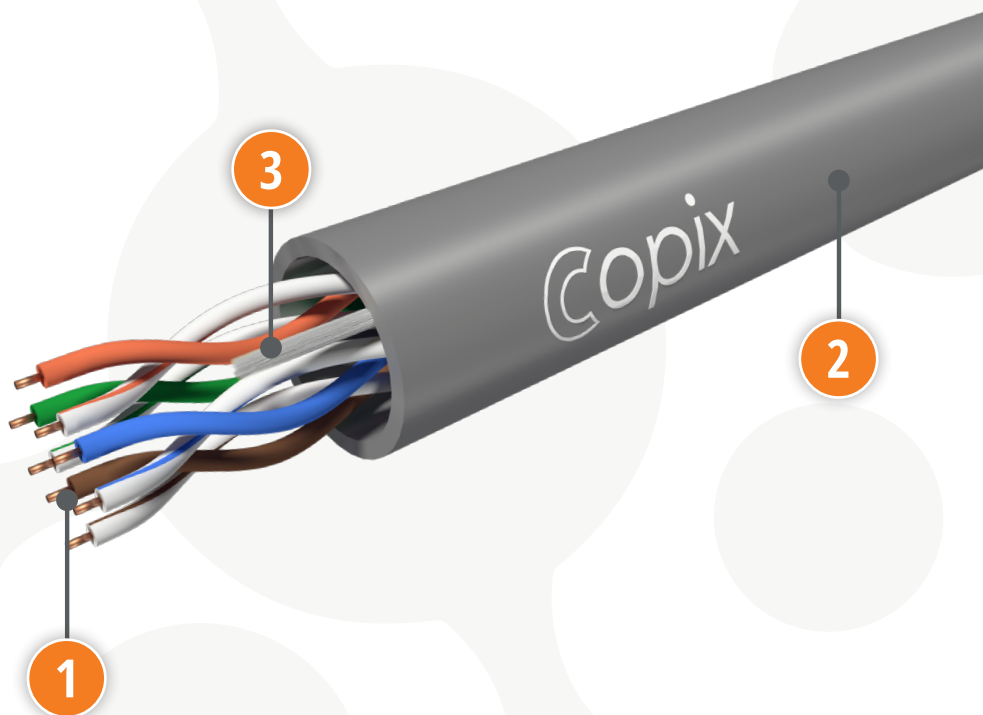


Copix CAT5E U/UTP PVC, AWG26 (Stranded) Installation Cable

AWG26ST 4PAIRS

FEATURES:

- 100% Copper content
- 26 AWG (7x 0.16mm)
- Category 5e performance
- Color-coded wire insulation
- High quality FR PVC jacket
- Compliance with CPR regulations
- Cable marking every 1m
- TIA-568-C Fluke test pass warranty
- Conductor in a stranded wire form (a weave of 7 copper wires that are 0.16mm diameter each)



CABLE CONSTRUCTION

1. Conductor - 100% copper in HDPE insulation
2. FR PVC outer jacket (gray)
3. Ripcords for tear the outer-sheath



Product information									
Cable version	The total number of pairs	Weight [kg/km] (±10%)	Ø Cable [mm] (±0.1)	Ø Copper with HDPE insulation [mm] (±0.03)	Stranded wire	Coating material & thickness [mm] (±0.05)	Temp. range installation	Temp. range operating, transport	Sheath color
U/UTP	4	32.5	5.0	0.88	AWG26 (7x 0.16mm)	FR PVC (0.5)	-10° to +50° C	-20° to +60° C	Gray

Compliance with standards	Supported applications
ISO/IEC 11801, EN 50173-1, IEC 61156-5, EN 50288-3-1, ANSI/TIA/EIA 568-C.2, IEC 60332-1-2 (PN-EN 60332-1-2)	100Base-TX, 100Base-T, 100VG-AnyLAN, 1000Base-T (Gigabit Ethernet), 1000Base-TX, ATM

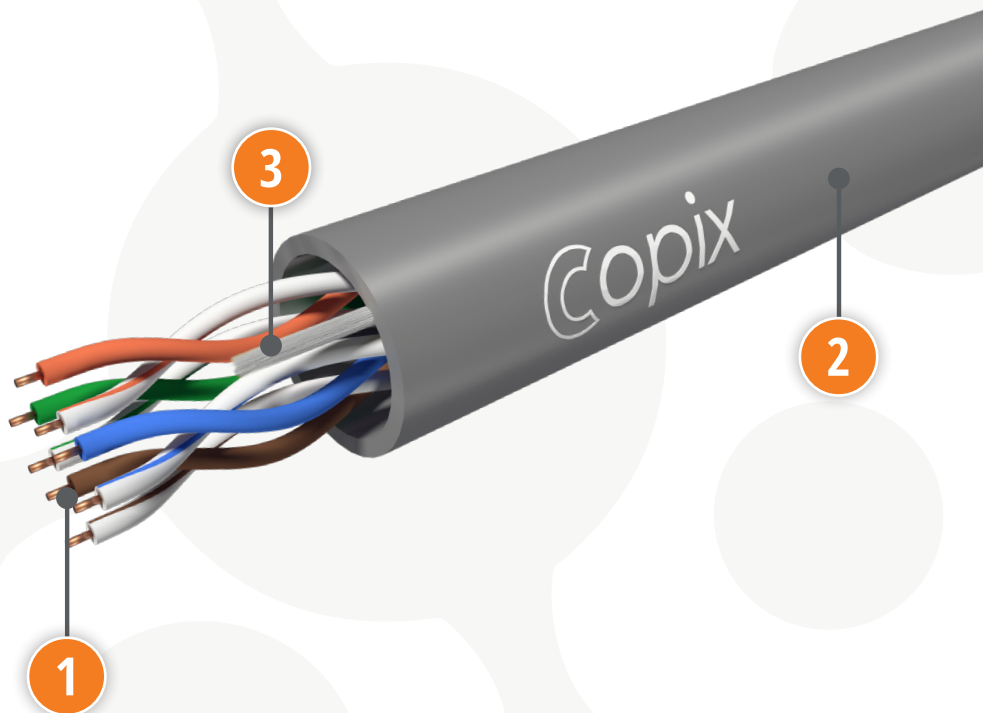
Performance parameters		Color of pairs			
NVP	69%	1. White/Blue Blue		2. White/Orange Orange	
Propagation delay	≤535 ns/100m				
Delay skew	≤45 ns/100m	3. White/Green Green		4. White/Brown Brown	
Copper	CU 100%				

Copix CAT5E U/UTP PVC, AWG27 Installation Cable

AWG24 4PAIRS

FEATURES:

- 100% Copper content
- 27 AWG (0.36mm cross-section)
- Category 5e performance
- Color-coded wire insulation
- High quality FR PVC jacket
- Compliance with CPR regulations
- Cable marking every 1m
- TIA-568-C Fluke test pass warranty



CABLE CONSTRUCTION

1. Conductor - 100% copper in HDPE insulation
2. FR PVC outer jacket (gray)
3. Ripcords for tear the outer-sheath



Product information									
Cable version	The total number of pairs	Weight [kg/km] (±10%)	Ø Cable [mm] (±0.1)	Ø Copper with HDPE insulation [mm] (±0.03)	Wire solid	Coating material & thickness [mm] (±0.05)	Temp. range installation	Temp. range operating, transport	Sheath color
U/UTP	4	32.5	5.0	0.88	AWG27 (0.36mm)	FR PVC (0.5)	-10° to +50° C	-20° to +60° C	Gray

Compliance with standards	Supported applications
ISO/IEC 11801, EN 50173-1, IEC 61156-5, EN 50288-3-1, ANSI/TIA/EIA 568-C.2, IEC 60332-1-2 (PN-EN 60332-1-2)	100Base-TX, 100Base-T, 100VG-AnyLAN, 1000Base-T (Gigabit Ethernet), 1000Base-TX, ATM

Performance parameters		Color of pairs			
NVP	69%	1. White/Blue Blue		2. White/Orange Orange	
Propagation delay	≤535 ns/100m	3. White/Green Green		4. White/Brown Brown	
Delay skew	≤45 ns/100m				
Copper	CU 100%				

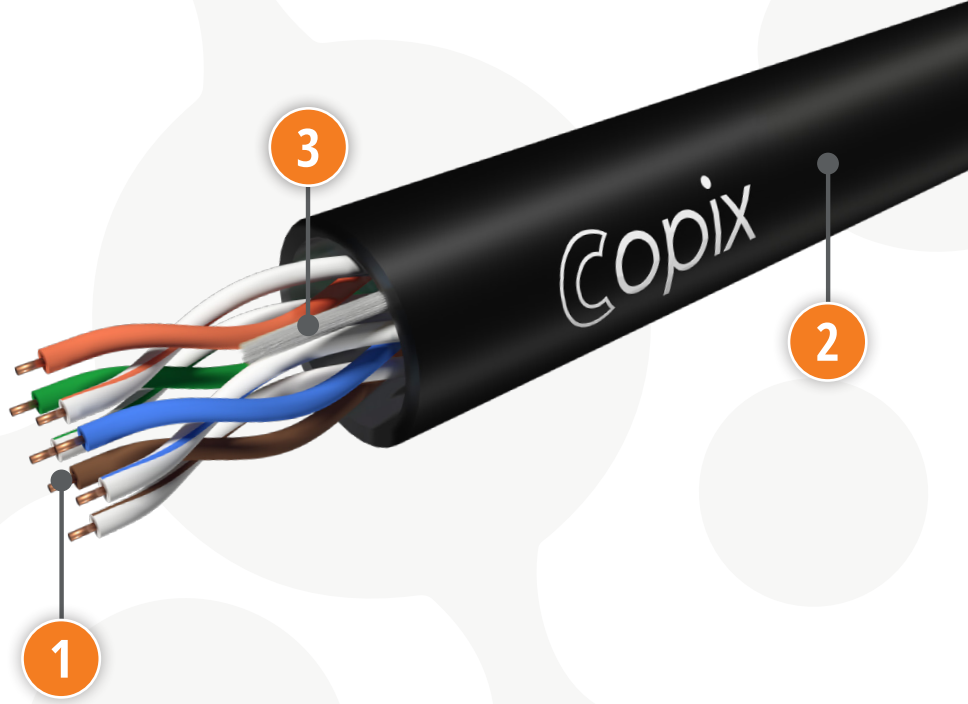


Copix CAT5E U/UTP PE, AWG24 Installation Cable

AWG24 4PAIRS

FEATURES:

- 100% Copper content
- 24 AWG (0.51mm cross-section)
- Category 5e performance
- Color-coded wire insulation
- High quality FR PVC jacket
- Compliance with CPR regulations
- Cable marking every 1m
- TIA-568-C Fluke test pass warranty



CABLE CONSTRUCTION

1. Conductor - 100% copper in HDPE insulation
2. PE outer jacket (black)
3. Ripcords for tear the outer-sheath



Product information									
Cable version	The total number of pairs	Weight [kg/km] (±10%)	Ø Cable [mm] (±0.1)	Ø Copper with HDPE insulation [mm] (±0.03)	Wire solid	Coating material & thickness [mm] (±0.05)	Temp. range installation	Temp. range operating, transport	Sheath color
U/UTP	4	32.5	5.0	0.88	AWG24 (0.51mm)	PE (0.5)	-10° to +50° C	-20° to +70° C	Black

Compliance with standards	Supported applications
ISO/IEC 11801, EN 50173-1, IEC 61156-5, EN 50288-3-1, ANSI/TIA/EIA 568-C.2, IEC 60332-1-2 (PN-EN 60332-1-2)	100Base-TX, 100Base-T, 100VG-AnyLAN, 1000Base-T (Gigabit Ethernet), 1000Base-TX, ATM

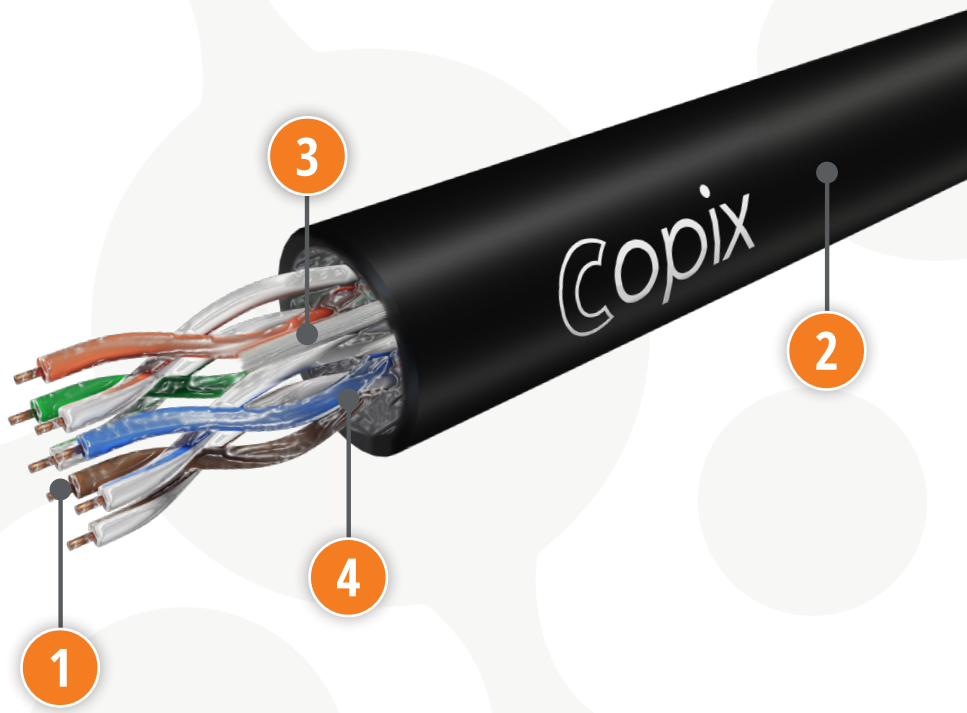
Performance parameters		Color of pairs			
NVP	69%	1. White/Blue Blue		2. White/Orange Orange	
Propagation delay	≤535 ns/100m				
Delay skew	≤45 ns/100m	3. White/Green Green		4. White/Brown Brown	
Copper	CU 100%				

Copix CAT5E U/UTP PE, AWG24 Installation Cable, gelled

AWG24 4PAIRS

FEATURES:

- 100% Copper content
- 24 AWG (0.51mm cross-section)
- Category 5e performance
- Color-coded wire insulation
- High quality FR PVC jacket
- Compliance with CPR regulations
- Cable marking every 1m
- TIA-568-C Fluke test pass warranty
- Insulated conductor covered with hydrophobic gel



CABLE CONSTRUCTION

1. Conductor - 100% copper in HDPE insulation
2. PE outer jacket (black)
3. Ripcords for tear the outer-sheath
4. Hydrophobic gel



Product information									
Cable version	The total number of pairs	Weight [kg/km] (±10%)	Ø Cable [mm] (±0.1)	Ø Copper with HDPE insulation [mm] (±0.03)	Wire solid	Coating material & thickness [mm] (±0.05)	Temp. range installation	Temp. range operating, transport	Sheath color
U/UTP	4	32.5	5.0	0.88	AWG24 (0.51mm)	PE (0.5)	-10° to +50° C	-20° to +70° C	Black

Compliance with standards	Supported applications
ISO/IEC 11801, EN 50173-1, IEC 61156-5, EN 50288-3-1, ANSI/TIA/EIA 568-C.2, IEC 60332-1-2 (PN-EN 60332-1-2)	100Base-TX, 100Base-T, 100VG-AnyLAN, 1000Base-T (Gigabit Ethernet), 1000Base-TX, ATM

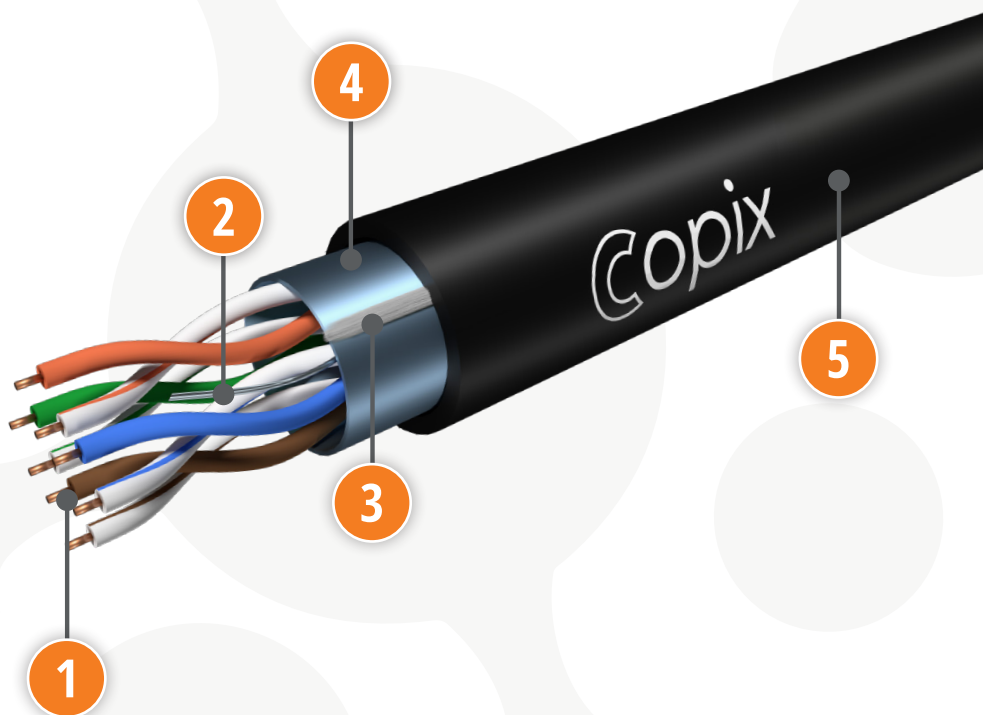
Performance parameters		Color of pairs			
NVP	69%	1. White/Blue Blue		2. White/Orange Orange	
Propagation delay	≤535 ns/100m	3. White/Green Green		4. White/Brown Brown	
Delay skew	≤45 ns/100m				
Copper	CU 100%				

Copix CAT5E F/UTP PE, AWG24 Installation Cable

AWG24 4PAIRS

FEATURES:

- 100% Copper content
- 24 AWG (0.51mm cross-section)
- Category 5e performance
- Color-coded wire insulation
- High quality PE jacket
- Aluminium foil shield over all pairs
- Compliance with CPR regulations
- Cable marking every 1m
- TIA-568-C Fluke test pass warranty



CABLE CONSTRUCTION

1. Conductor - 100% copper in HDPE insulation
2. Drain wire
3. Ripcords for tear the outer-sheath
4. Foil shield (over all pairs)
5. PE outer jacket (black)

Outdoor installation
 UV protection
 Flexible
 AWG 24
 TIA-568-C Fluke test pass

Product information									
Cable version	The total number of pairs	Weight [kg/km] (±10%)	Ø Cable [mm] (±0.1)	Ø Copper with HDPE insulation [mm] (±0.03)	Wire solid	Coating material & thickness [mm] (±0.05)	Temp. range installation	Temp. range operating, transport	Sheath color
F/UTP	4	29	5.8	1.02	AWG24 (0.51mm)	PE (0.55)	-10° to +50° C	-20° to +70° C	Black

Compliance with standards	Supported applications
ISO/IEC 11801, EN 50173-1, IEC 61156-5, EN 50288-3-1, ANSI/TIA/EIA 568-C.2, IEC 60332-1-2 (PN-EN 60332-1-2)	100Base-TX, 100Base-T, 100VG-AnyLAN, 1000Base-T (Gigabit Ethernet), 1000Base-TX, ATM

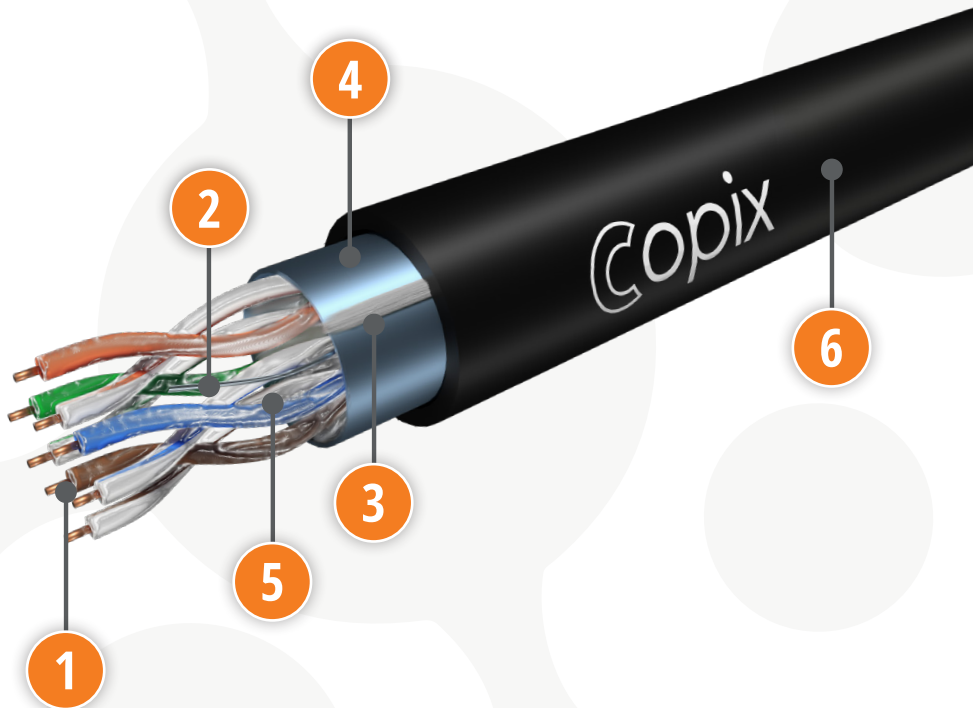
Performance parameters		Color of pairs			
NVP	69%	1. White/Blue Blue		2. White/Orange Orange	
Propagation delay	≤535 ns/100m	3. White/Green Green		4. White/Brown Brown	
Delay skew	≤45 ns/100m				
Copper	CU 100%				

Copix CAT5E F/UTP PE, AWG24 Installation Cable, gelled

AWG24 4PAIRS

FEATURES:

- 100% Copper content
- 24 AWG (0.51mm cross-section)
- Category 5e performance
- Color-coded wire insulation
- High quality PE jacket
- Aluminium foil shield over all pairs
- Compliance with CPR regulations
- Cable marking every 1m
- TIA-568-C Fluke test pass warranty
- Insulated conductor covered with



CABLE CONSTRUCTION

1. Conductor - 100% copper in HDPE insulation
2. Drain wire
3. Ripcords for tear the outer-sheath
4. Foil shield (over all pairs)
5. Hydrophobic gel
6. PE outer jacket (black)



Product information									
Cable version	The total number of pairs	Weight [kg/km] (±10%)	Ø Cable [mm] (±0.1)	Ø Copper with HDPE insulation [mm] (±0.03)	Wire solid	Coating material & thickness [mm] (±0.05)	Temp. range installation	Temp. range operating, transport	Sheath color
F/UTP	4	29	5.8	1.02	AWG24 (0.51mm)	PE (0.55)	-10° to +50° C	-20° to +70° C	Black

Compliance with standards	Supported applications
ISO/IEC 11801, EN 50173-1, IEC 61156-5, EN 50288-3-1, ANSI/TIA/EIA 568-C.2, IEC 60332-1-2 (PN-EN 60332-1-2)	100Base-TX, 100Base-T, 100VG-AnyLAN, 1000Base-T (Gigabit Ethernet), 1000Base-TX, ATM

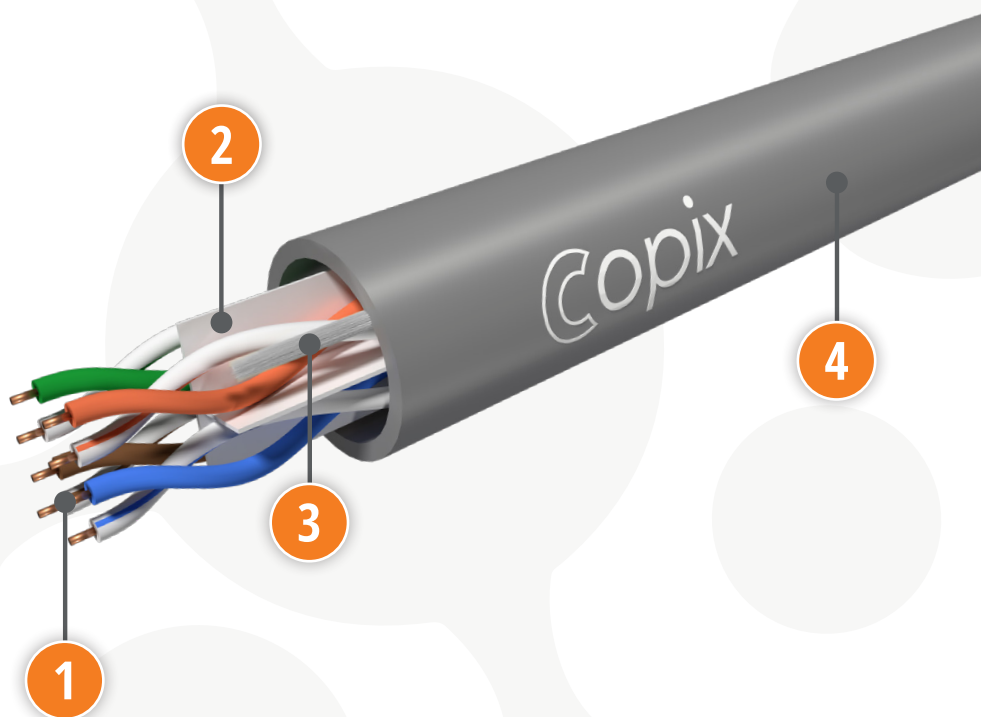
Performance parameters		Color of pairs			
NVP	69%	1. White/Blue Blue		2. White/Orange Orange	
Propagation delay	≤535 ns/100m	3. White/Green Green		4. White/Brown Brown	
Delay skew	≤45 ns/100m				
Copper	CU 100%				

Copix CAT6 U/UTP PVC, AWG23 Installation Cable

AWG23 4PAIRS

FEATURES:

- 100% Copper content
- 23 AWG (0.57mm cross-section)
- Category 6 performance
- Color-coded wire insulation
- High quality FR PVC jacket
- Compliance with CPR regulations
- Cable marking every 1m
- TIA-568-C Fluke test pass warranty



CABLE CONSTRUCTION

1. Conductor - 100% copper in HDPE insulation
2. Separator
3. Ripcords for tear the outer-sheath
4. FR PVC outer jacket (gray)



Product information									
Cable version	The total number of pairs	Weight [kg/km] (±10%)	Ø Cable [mm] (±0.1)	Ø Copper with HDPE insulation [mm] (±0.03)	Wire solid	Coating material & thickness [mm] (±0.05)	Temp. range installation	Temp. range operating, transport	Sheath color
U/UTP	4	42	6.2	1.02	AWG23 (0.57mm)	FR PVC (0.55)	-10° to +50° C	-20° to +60° C	Gray

Compliance with standards	Supported applications
ISO/IEC 11801, EN 50173-1, IEC 61156-5, EN 50288-3-1, ANSI/TIA/EIA 568-C.2, IEC 60332-1-2 (PN-EN 60332-1-2)	100Base-TX, 100Base-T, 100VG-AnyLAN, 1000Base-T (Gigabit Ethernet), 1000Base-TX, ATM

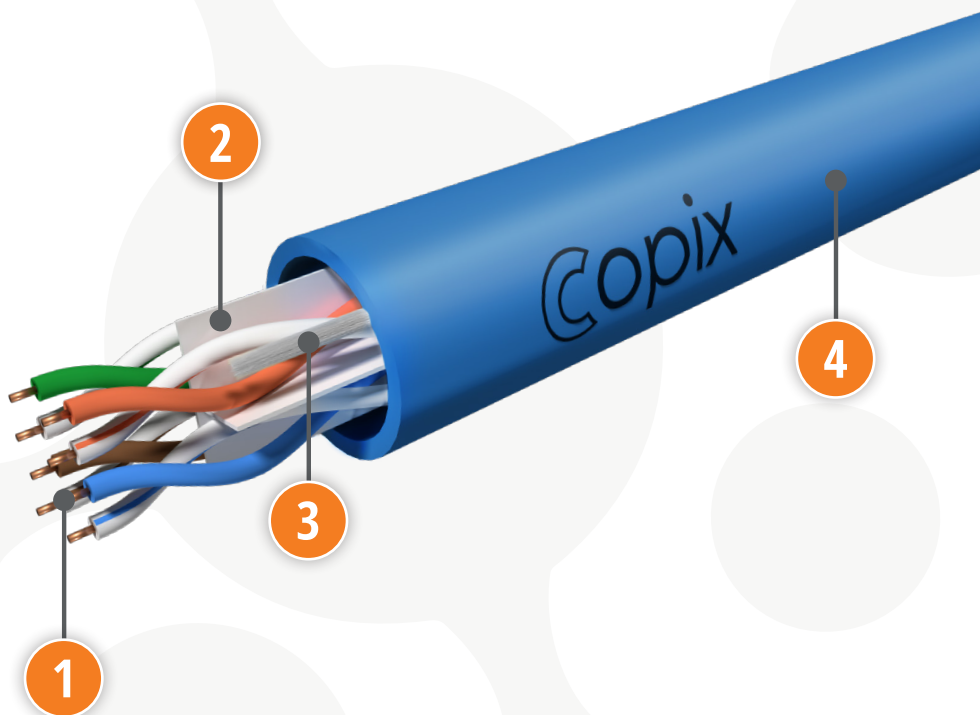
Performance parameters		Color of pairs			
NVP	69%				
Propagation delay	≤535 ns/100m	1. White/Blue Blue		2. White/Orange Orange	
Delay skew	≤45 ns/100m	3. White/Green Green		4. White/Brown Brown	
Copper	CU 100%				

Copix CAT6 U/UTP LSZH, AWG23 Installation Cable

AWG23 4PAIRS

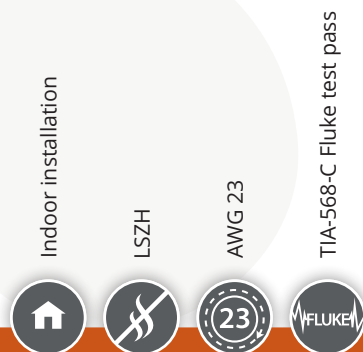
FEATURES:

- 100% Copper content
- 23 AWG (0.57mm cross-section)
- Category 6 performance
- Color-coded wire insulation
- High quality LSZH jacket
- Compliance with CPR regulations
- Cable marking every 1m
- TIA-568-C Fluke test pass warranty



CABLE CONSTRUCTION

1. Conductor - 100% copper in HDPE insulation
2. Separator
3. Ripcords for tear the outer-sheath
4. LSZH outer jacket (blue RAL5015 or white)



Product information									
Cable version	The total number of pairs	Weight [kg/km] (±10%)	Ø Cable [mm] (±0.1)	Ø Copper with HDPE insulation [mm] (±0.03)	Wire solid	Coating material & thickness [mm] (±0.05)	Temp. range installation	Temp. range operating, transport	Sheath color
U/UTP	4	42	6.2	1.02	AWG23 (0.57mm)	LSZH (0.55)	-10° to +50° C	-20° to +70° C	Blue RAL5015 or white

Compliance with standards	Supported applications
ISO/IEC 11801, EN 50173-1, IEC 61156-5, EN 50288-3-1, ANSI/TIA/EIA 568-C.2, IEC 60332-1-2 (PN-EN 60332-1-2), IEC 60754-1/2, IEC 61034-1/2	100Base-TX, 100Base-T, 100VG-AnyLAN, 1000Base-T (Gigabit Ethernet), 1000Base-TX, ATM

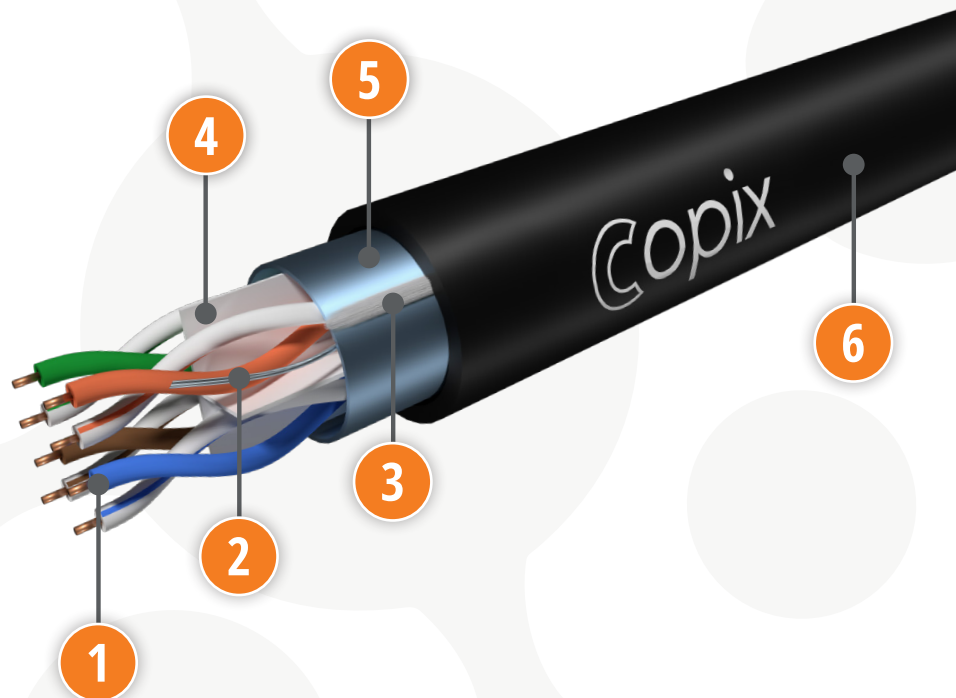
Performance parameters		Color of pairs			
NVP	69%	1. White/Blue Blue		2. White/Orange Orange	
Propagation delay	≤535 ns/100m				
Delay skew	≤45 ns/100m	3. White/Green Green		4. White/Brown Brown	
Copper	CU 100%				

Copix CAT6 F/UTP PE , AWG23 Installation Cable

AWG23 4PAIRS

FEATURES:

- 100% Copper content
- 23 AWG (0.57mm cross-section)
- Category 6 performance
- Color-coded wire insulation
- High quality PE jacket
- Aluminium foil shield over all pairs
- Compliance with CPR regulations
- Cable marking every 1m
- TIA-568-C Fluke test pass warranty



CABLE CONSTRUCTION

1. Conductor - 100% copper in HDPE insulation
2. Drain wire
3. Ripcords for tear the outer-sheath
4. Separator
5. Foil shield (over all pairs)
6. PE outer jacket (black)

Outdoor installation
 UV protection
 Flexible
 AWG 23
 TIA-568-C Fluke test pass

Product information

Cable version	The total number of pairs	Weight [kg/km] (±10%)	Ø Cable [mm] (±0.1)	Ø Copper with HDPE insulation [mm] (±0.03)	Wire solid	Coating material & thickness [mm] (±0.05)	Temp. range installation	Temp. range operating, transport	Sheath color
F/UTP	4	37	6.8	1.02	AWG23 (0.57mm)	PE (0.55)	-10° to +50° C	-20° to +70° C	Black

Compliance with standards

ISO/IEC 11801, EN 50173-1, IEC 61156-5, EN 50288-3-1, ANSI/TIA/EIA 568-C.2, IEC 60332-1-2 (PN-EN 60332-1-2)

Supported applications

100Base-TX, 100Base-T, 100VG-AnyLAN, 1000Base-T (Gigabit Ethernet), 1000Base-TX, ATM

Performance parameters

NVP	72%
Propagation delay	≤535 ns/100m
Delay skew	≤45 ns/100m
Copper	CU 100%

Color of pairs

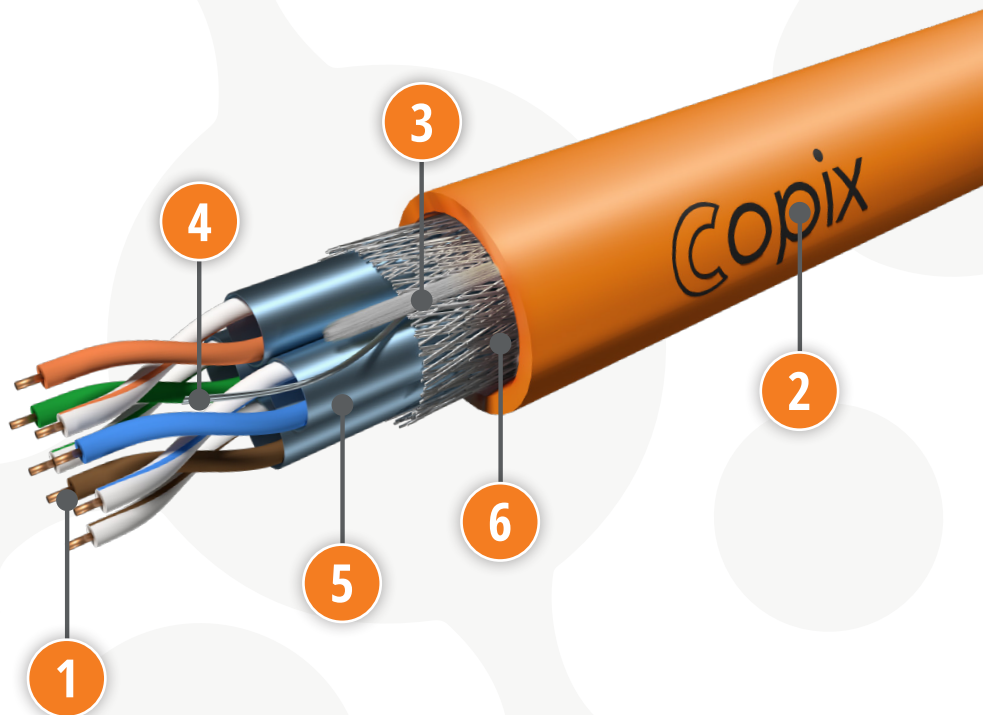
1. White/Blue Blue		2. White/Orange Orange	
3. White/Green Green		4. White/Brown Brown	

Copix CAT7 S/FTP LSZH, AWG23 Installation Cable

AWG23 4PAIRS

FEATURES:

- 100% Copper content
- 23 AWG (0.58mm cross-section)
- Category 7 performance
- Color-coded wire insulation
- 90% coverage of tinned copper braiding
- Aluminium foil individual pair shield
- High quality LSZH jacket
- Compliance with CPR regulations
- Cable marking every 1m
- TIA-568-C Fluke test pass warranty



CABLE CONSTRUCTION

1. Conductor - 100% copper in foam skin polyolefin insulation
2. LSZH outer jacket (orange RAL2003 or white)
3. Ripcords for tear the outer-sheath
4. Drain wire
5. Pair shield (individual)
6. Braiding (over all pairs)

Indoor installation

LSZH

AWG 23

TIA-568-C Fluke test pass



Product information

Cable version	The total number of pairs	Weight [kg/km] (±10%)	Ø Cable [mm] (±0.1)	Ø Copper with foam skin polyolefin insulation [mm] (±0.03)	Wire solid	Coating material & thickness [mm] (±0.05)	Temp. range installation	Temp. range operating, transport	Sheath color
S/FTP	4	63.8	8.0	1.35	AWG23 (0.58mm)	LSZH (0.72)	-10° to +50° C	-20° to +70° C	Orange RAL2003 or white

Compliance with standards

ISO/IEC 11801, EN 50173-1, IEC 61156-5, EN 50288-3-1, ANSI/TIA/EIA 568-C.2, IEC 60332-1-2 (PN-EN 60332-1-2), IEC 60754-1/2, IEC 61034-1/2

Supported applications

10GBase-T (10Gigabit Ethernet), 1000Base-T (Gigabit Ethernet), 100Base-T, 10Base-T, Power Over Ethernet, 155M/622M/1.2GATM

Performance parameters

NVP	74%
Propagation delay	≤440ns/100m
Delay skew	≤25 ns/100m
Copper	CU 100%

Color of pairs

1. White/Blue Blue		2. White/Orange Orange	
3. White/Green Green		4. White/Brown Brown	



SOLAR CABLE Copix SC101 1.0/1.5kV 1x4mm²

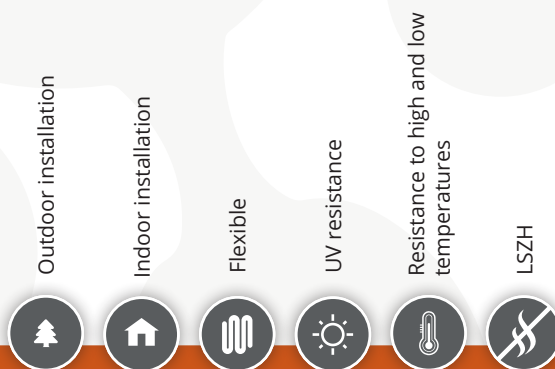
LSZH Eca H1Z2Z2-K

FEATURES:

- Single core cable for photovoltaic installations
- Suitable for indoor and outdoor installations
- Class 5 conductor according to IEC-60228
- EBM electron-beam crosslinked LSZH coating/insulation
- Compliance with CPR regulations
- Resistance to high and low temperatures
- Resistant to UV and weather conditions, including ozone
- Estimated service life min. 25 years

CABLE CONSTRUCTION

1. Conductor - Multi-stranded, copper, flexible, tinned, class 5
2. LSZH insulation (white), crosslinked EBM
3. LSZH outer sheath (black or red), crosslinked EBM

**Product Information**

Cable type		Solar
Applicable standard		EN-50618/2014
Rated voltage [kV]		1.0/1.0 (for AC current) 1.5 nominal/1.8 maximum (for DC current)
Number of cores		1
CPR class acc. to EN 50575		Eca
Conductor / Core	Material	Copper wire, multi-stranded, flexible, tinned, class 5 acc. to IEC-60228:2004
	Cross section [mm ²]	4
	Shape	Flexible, class 5 acc. to IEC-60228:2004
	Number of strands	56
	Max. wire diameter (before twisting) [mm]	0.31
	Approximate conductor diameter [mm]	2.45
Max. DC resistance at 20°C [Ω/km]		5.09
Insulation	Material	EBM electron-beam crosslinked, low smoke halogen free (polyolefin type) compound - compound according to annex B, table B.1 of EN 50618
	Min./nominal thickness [mm]	0.53/0.70
	Color	White/Light grey
	Min. insulation resistance	580 MΩ/Km at 20°C
Outer sheath	Material	EBM electron-beam crosslinked, low smoke halogen free (polyolefin type) compound - compound according to annex B, table B.1 of EN 50618
	Min./nominal thickness [mm]	0.58 / 0.80
	Color	Black/Red
Overall cable diameter [mm] (±0.30)		5.70
Approximate copper weight [kg/km]		32
Approximate net weight of cable [kg/km]		60

Approximate drum weight [kg]		15	
Cable features	Test voltage	6.5kV AC for 5 min. (DC voltage equivalent 15kV)	
	Tinned fine copper strands (Class 5)	Confirmed (compliance with IEC-60228:2004)	
	Conductor temperature [°C]	Max./Min. temperature at rated current	- 40/+90
		Overload temperature	250 for 5 seconds
		Short circuit temperature	120
		Operating temperature	- 40 to +120
	Service life	25 years (with continuous operation of max. +90°C on the conductor and a temperature of the environment of up to +60°C)	
	Resistance to acids and alkalis on the cable sheath	EN-60811-404 compliant	
	Resistance to weather conditions and UV radiation on the cable sheath	EN-50618:2014 and EN-50289-4-17-PASS compliant	
	Ozone resistance over the entire cable	Method A (EN-60811-403 compliant)	
	Thermal endurance test	EN-60216 compliant	
	DPT (Dynamic Penetration Test)	EN-50618/2014 compliant	
	Damp heat test	EN-60068-2-78 compliant	
	Smoke emission	60% transmission (min.) (IEC-61034 compliant)	
	Water resistance	EN-50395 compliant	
	Surface resistance on sheath	EN-50395 compliant	
	Halogen-free	Max. HCL 0.5%, EN-50525-1:2011 compliant	
	Flame propagation	IEC-60332-1 compliant	
	Min. bending radius [mm]	5xØ of cable	
	Current rating [A]	In air (up to 60 °C)	55
Single cable on the surface		52	
Two cables adjacent to the surface		44	
Cable length on drum [m]	500m or 1000m (±5%)		
Cable end sealing	Yes (Shrinkable cap)		
Order quantity tolerance	±5%		



The logo for Coppix features a stylized orange 'C' composed of three concentric, slightly offset rings. To its right, the word 'oppix' is written in a bold, black, sans-serif font, with the first 'o' being significantly larger than the other letters.



SOLAR CABLE Copix SC201 1.0/1.5kV 1x6mm²

LSZH Eca H1Z2Z2-K

FEATURES:

- Single core cable for photovoltaic installations
- Suitable for indoor and outdoor installations
- Class 5 conductor according to IEC-60228
- EBM electron-beam crosslinked LSZH coating/insulation
- Compliance with CPR regulations
- Resistance to high and low temperatures
- Resistant to UV and weather conditions, including ozone
- Estimated service life min. 25 years

CABLE CONSTRUCTION

1. Conductor - Multi-stranded, copper, flexible, tinned, class 5
2. LSZH insulation (white), crosslinked EBM
3. LSZH outer sheath (black or red), crosslinked EBM



Product Information

Cable type		Solar
Applicable standard		EN-50618/2014
Rated voltage [kV]		1.0/1.0 (for AC current) 1.5 nominal/1.8 maximum (for DC current)
Number of cores		1
CPR class acc. to EN 50575		Eca
Conductor / Core	Material	Copper wire, multi-stranded, flexible, tinned, class 5 acc. to IEC-60228:2004
	Cross section [mm ²]	6
	Shape	Flexible, class 5 acc. to IEC-60228:2004
	Number of strands	84
	Max. wire diameter (before twisting) [mm]	0.31
	Approximate conductor diameter [mm]	3.10
Max. DC resistance at 20°C [Ω/km]		3.39
Insulation	Material	EBM electron-beam crosslinked, low smoke halogen free (polyolefin type) compound - compound according to annex B, table B.1 of EN 50618
	Min./nominal thickness [mm]	0.70
	Color	White/Light grey
	Min. insulation resistance	580 MΩ/Km at 20°C
Outer sheath	Material	EBM electron-beam crosslinked, low smoke halogen free (polyolefin type) compound - compound according to annex B, table B.1 of EN 50618
	Min./nominal thickness [mm]	0.80
	Color	Black/Red
Overall cable diameter [mm] (±0.30)		6.10
Approximate net weight of cable [kg/km]		80

Approximate drum weight [kg]		15
Test voltage		6.5kV AC for 5 min. (DC voltage equivalent 15kV)
Tinned fine copper strands (Class 5)		Confirmed (compliance with IEC-60228:2004)
Conductor temperature [°C]	Max./Min. temperature at rated current	- 40/+90
	Overload temperature	250 for 5 seconds
	Short circuit temperature	120
	Operating temperature	- 40 to +120
Service life		25 years (with continuous operation of max. +90°C on the conductor and a temperature of the environment of up to +60°C)
Resistance to acids and alkalis on the cable sheath		EN-60811-404 compliant
Resistance to weather conditions and UV radiation on the cable sheath		EN-50618:2014 and EN-50289-4-17-PASS compliant
Ozone resistance over the entire cable		Method A (EN-60811-403 compliant)
Thermal endurance test		EN-60216 compliant
DPT (Dynamic Penetration Test)		EN-50618/2014 compliant
Damp heat test		EN-60068-2-78 compliant
Smoke emission		60% transmission (min.) (IEC-61034 compliant)
Water resistance		EN-50395 compliant
Surface resistance on sheath		EN-50395 compliant
Halogen-free		Max. HCL 0.5%, EN-50525-1:2011 compliant
Flame propagation		IEC-60332-1 compliant
Min. bending radius [mm]		5xØ of cable
Current rating [A]	In air (up to 60 °C)	70
	Single cable on the surface	67
	Two cables adjacent to the surface	57
Cable length on drum [m]		500m or 1000m (±5%)
Cable end sealing		Yes (Shrinkable cap)
Order quantity tolerance		±5%



The logo for Coppix features a stylized orange 'C' composed of three concentric, slightly offset rings. To the right of the 'C', the word 'oppix' is written in a bold, black, sans-serif font. The 'o' is lowercase, while the 'p', 'i', and 'x' are lowercase as well, though the 'x' has a distinctive shape with a dot above the 'i'.





xbest.pl Sp. z o.o.

Headquarters: 00-807 Warszawa, Al. Jerozolimskie 96

Branch: 44-200 Rybnik, ul. Św. Józefa 141D

Phone: +48 32 239 6000, +48 32 239 6001, Fax. +48 32 239 6010

TAX ID: 642-318-10-41, Registry ID: 243085940

www.xbest.pl

e-mail: office@xbest.pl