

## **NKL 4640B-BK**

NIKOLAN U / UTP cable, 4 pairs, Cat.6, 23 AWG, Outdoor, PE, 305 M



NIKOLAN 4-series outdoor cables provide excellent performance at a reasonable price, which makes them the best choice for building networks. Rigid polyethylene shell is not afraid of ultraviolet, it is resistant to cold and external influences. The model range includes shielded (F / UTP) and unshielded (U / UTP) cables of categories 5e and 6, intended for external installation, incl. Suspended, with stranded steel cable. Depending on the model, external cables of the 4th series are delivered in "easy-pull box" cartons or on plywood drums.

Unshielded cables (U / UTP) are the most popular and easy to install type of cable, but they do not have protection against electromagnetic interference. When laying in close proximity to the power lines, it is recommended to refer to shielded solutions.

## **Ordering Table**

P/N	Number of pairs	Category	Туре	Application	Color	Length, M	Volume, m3	Weight, kg
NKL 4640B-BK	4	6	U/UTP	Outdoor, PE	Black	305	0.0270	14.5
NKL 4641B-BK	4	6	U/UTP	Outdoor, PE	Black	100	0.0094	4.14



## **NKL 4640B-BK**

NIKOLAN U / UTP cable, 4 pairs, Cat.6, 23 AWG, Outdoor, PE, 305 M

## **Detailed characteristics**

Category         6           Bandwidth, MHz         250           Type         U/UTP           Number of pairs         4           Material of conductors         Soild           Type of conductors, AWG         23 AWG (0.57 ± 0.01 mm)           Insulation material         High density polyethylene (HDPE)           Insulation conductor thickness, mm         0.25 ± 0.02           Diameter of conductor insulation, mm         1.09 ± 0.05           Outer jacket material         Polyethylene (PE)           Application         For Outdoor Installation           Jacket thickness, mm         0.6 ± 0.05           Outer jacket diameter, mm         7.4 ± 0.3           Jacket color         Black           Protective film         Polyester           Ripcord         Yes           Mass density (kg) per unit length (km)         42.6 ± 0.5           Radius of bending during laying         At least 10 cable diameters           Radius of bending during operation         At least 10 cable diameters           Maximum tensile strength         No more than 100 N           Characteristic impedance, ohms (m)         100 ± 15           Nominal velocity of propagation (NVP)         305 M           Length, M         Exceeds the requirements of the standa	Characteristic	Value
Type         U/UTP           Number of pairs         4           Material of conductors         Copper           Type of conductors         Solid           Diameter of conductors, AWG         23 AWG (0.57 ± 0.01 mm)           Insulation material         High density polyethylene (HDPE)           Insulation conductor thickness, mm         0.25 ± 0.02           Diameter of conductor insulation, mm         1.99 ± 0.05           Outer jacket material         Polyethylene (PE)           Application         For Outdoor Installation           Jacket thickness, mm         0.6 ± 0.05           Outer jacket diameter, mm         7.4 ± 0.3           Jacket color         Black           Protective film         Polyester           Ripcord         Yes           Mass density (kg) per unit length (km)         4.2.6 ± 0.5           Radius of bending during laying         At least 10 cable diameters           Radius of bending during operation         At least 8 cable diameters           Radius of bending during operation         At least 8 cable diameters           Maximum tensile strength         No more than 100 N           Characteristic impedance, ohms         100 ± 15           Nominal velocity of propagation (NVP)         6.99 ± 0.1           Ma	Category	6
Number of pairs         4           Material of conductors         Copper           Type of conductors         Solid           Diameter of conductors, AWG         23 AWG (0.57 ± 0.01 mm)           Insulation material         High density polyethylene (HDPE)           Insulation conductor thickness, mm         0.25 ± 0.02           Diameter of conductor insulation, mm         1.09 ± 0.05           Outer jacket material         Polyethylene (PE)           Application         For Outdoor Installation           Jacket thickness, mm         0.6 ± 0.05           Outer jacket diameter, mm         7.4 ± 0.3           Jacket color         Black           Protective film         Polyester           Ripcord         Yes           Mass density (kg) per unit length (km)         42.6 ± 0.5           Radius of bending during laying         At least 10 cable diameters           Radius of bending during operation         At least 8 cable diameters           Maximum tensile strength         No more than 100 N           Characteristic impedance, ohms         100 ± 15           Nominal velocity of propagation (NVP)         0.69 ± 0.1           Max. Conductor resistance(DC), ohms/km         95           Length, M         305 M           Compliance	Bandwidth, MHz	250
Material of conductors         Copper           Type of conductors         Solid           Diameter of conductors, AWG         23 AWG (0.57 ± 0.01 mm)           Insulation material         High density polyethylene (HDPE)           Insulation conductor thickness, mm         0.25 ± 0.02           Diameter of conductor insulation, mm         1.09 ± 0.05           Outer jacket material         Polyethylene (PE)           Application         For Outdoor Installation           Jacket thickness, mm         0.6 ± 0.05           Outer jacket diameter, mm         7.4 ± 0.3           Jacket color         Black           Protective film         Polyester           Ripcord         Yes           Mass density (kg) per unit length (km)         42.6 ± 0.5           Radius of bending during laying         At least 10 cable diameters           Radius of bending during operation         At least 8 cable diameters           Maximum tensile strength         No more than 100 N           Characteristic impedance, ohms         100 ± 15           Max. Conductor resistance(DC), ohms/km         95           Length, M         305 M           Compliance         Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA -568. C.2           Supported applications	Туре	U/UTP
Type of conductors	Number of pairs	4
Diameter of conductors, AWG         23 AWG (0.57 ± 0.01 mm)           Insulation material         High density polyethylene (HDPE)           Insulation conductor thickness, mm         0.25 ± 0.02           Diameter of conductor insulation, mm         1.09 ± 0.05           Outer jacket material         Polyethylene (PE)           Application         For Outdoor Installation           Jacket thickness, mm         0.6 ± 0.05           Outer jacket diameter, mm         7.4 ± 0.3           Jacket color         Black           Protective film         Polyester           Ripcord         Yes           Mass density (kg) per unit length (km)         42.6 ± 0.5           Mass density (kg) per unit length (km)         41 least 10 cable diameters           Maximum tensile strength         No more than 100 N           Characteristic impedance, ohms         No more than 100 N           Characteristic impedance, ohms         100 ± 15           Nominal velocity of propagation (NVP)         0.69 ± 0.1           Max. Conductor resistance(DC), ohms/km         95           Length, M         305 M           Compliance         568-C.2           Supported applications         10BASE-T, 100BASE-TX, 100BASE-TA, 100BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive <td>Material of conductors</td> <td>Copper</td>	Material of conductors	Copper
Insulation material         High density polyethylene (HDPE)           Insulation conductor thickness, mm         0.25 ± 0.02           Diameter of conductor insulation, mm         1.09 ± 0.05           Outer jacket material         Polyethylene (PE)           Application         For Outdoor Installation           Jacket thickness, mm         0.6 ± 0.05           Outer jacket diameter, mm         7.4 ± 0.3           Jacket color         Black           Protective film         Polyester           Ripcord         Yes           Mass density (kg) per unit length (km)         42.6 ± 0.5           Radius of bending during laying         At least 10 cable diameters           Radius of bending during operation         At least 8 cable diameters           Maximum tensile strength         No more than 100 N           Characteristic impedance, ohms         100 ± 15           Nominal velocity of propagation (NVP)         0.69 ± 0.1           Max. Conductor resistance(DC), ohms/km         95           Length, M         305 M           Compliance         Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA -568-C.2           Supported applications         10BASE-T, 100BASE-TX, 100BASE-T4, 100BASE-T, 10GBASE-T, 10G	Type of conductors	Solid
Insulation conductor thickness, mm         0.25 ± 0.02           Diameter of conductor insulation, mm         1.09 ± 0.05           Outer jacket material         Polyethylene (PE)           Application         For Outdoor Installation           Jacket thickness, mm         0.6 ± 0.05           Outer jacket diameter, mm         7.4 ± 0.3           Jacket color         Black           Protective film         Polyester           Ripcord         Yes           Mass density (kg) per unit length (km)         42.6 ± 0.5           Radius of bending during laying         At least 10 cable diameters           Radius of bending during operation         At least 8 cable diameters           Maximum tensile strength         No more than 100 N           Characteristic impedance, ohms         100 ± 15           Nominal velocity of propagation (NVP)         0.69 ± 0.1           Max. Conductor resistance(DC), ohms/km         95           Length, M         305 M           Compliance         Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA -568-C.2           Supported applications         10BASE-T., 100BASE-TX, 100BASE-T4, 1000BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-151, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive           Temperature ranges         Storage from -60 to +60 ° C. Installation from -	Diameter of conductors, AWG	23 AWG (0.57 ± 0.01 mm)
Diameter of conductor insulation, mm         1.09 ± 0.05           Outer jacket material         Polyethylene (PE)           Application         For Outdoor Installation           Jacket thickness, mm         0.6 ± 0.05           Outer jacket diameter, mm         7.4 ± 0.3           Jacket color         Black           Protective film         Polyester           Ripcord         Yes           Mass density (kg) per unit length (km)         42.6 ± 0.5           Radius of bending during laying         At least 10 cable diameters           Radius of bending during operation         At least 8 cable diameters           Maximum tensile strength         No more than 100 N           Characteristic impedance, ohms         100 ± 15           Nominal velocity of propagation (NVP)         0.69 ± 0.1           Max. Conductor resistance(DC), ohms/km         95           Length, M         305 M           Compliance         Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA           Compliance         10BASE-T, 100BASE-TX, 100BASE-T4, 100BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive           Temperature ranges         Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C. Installation	Insulation material	High density polyethylene (HDPE)
Outer jacket material         Polyethylene (PE)           Application         For Outdoor Installation           Jacket thickness, mm         0.6 ± 0.05           Outer jacket diameter, mm         7.4 ± 0.3           Jacket color         Black           Protective film         Polyester           Ripcord         Yes           Mass density (kg) per unit length (km)         42.6 ± 0.5           Radius of bending during laying         At least 10 cable diameters           Radius of bending during operation         At least 8 cable diameters           Maximum tensile strength         No more than 100 N           Characteristic impedance, ohms         100 ± 15           Nominal velocity of propagation (NVP)         0.69 ± 0.1           Max. Conductor resistance(DC), ohms/km         95           Length, M         305 M           Compliance         Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA           -588-C.2         Supported applications         10BASE-T, 100BASE-TX, 100BASE-T4, 100BASE-T4, 100BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive           Temperature ranges         Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C           Individual packing         Plywood drum           Package di	Insulation conductor thickness, mm	$0.25 \pm 0.02$
Application         For Outdoor Installation           Jacket thickness, mm         0.6 ± 0.05           Outer jacket diameter, mm         7.4 ± 0.3           Jacket color         Black           Protective film         Polyester           Ripcord         Yes           Mass density (kg) per unit length (km)         42.6 ± 0.5           Radius of bending during laying         At least 10 cable diameters           Maximum tensile strength         No more than 100 N           Characteristic impedance, ohms         100 ± 15           Nominal velocity of propagation (NVP)         0.69 ± 0.1           Max. Conductor resistance(DC), ohms/km         95           Length, M         305 M           Compliance         Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA -568-C.2           Supported applications         10BASE-T, 100BASE-TX, 100BASE-T4, 100BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-151, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive           Temperature ranges         Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C Individual packing           Plywood drum         370x250	Diameter of conductor insulation, mm	$1.09 \pm 0.05$
Jacket thickness, mm  0.6 ± 0.05  Outer jacket diameter, mm  7.4 ± 0.3  Jacket color  Black  Protective film  Polyester  Ripcord  Wes  Mass density (kg) per unit length (km)  At least 10 cable diameters  Radius of bending during laying  At least 8 cable diameters  Maximum tensile strength  No more than 100 N  Characteristic impedance, ohms  100 ± 15  Nominal velocity of propagation (NVP)  Max. Conductor resistance(DC), ohms/km  Length, M  Compliance  Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA  -568-C.2  Supported applications  Temperature ranges  Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C  Individual packing  Package dimensions (LxW or W x H x D), mm  370x250	Outer jacket material	Polyethylene (PE)
Outer jacket diameter, mm       7.4 ± 0.3         Jacket color       Black         Protective film       Polyester         Ripcord       Yes         Mass density (kg) per unit length (km)       42.6 ± 0.5         Radius of bending during laying       At least 10 cable diameters         Radius of bending during operation       At least 8 cable diameters         Maximum tensile strength       No more than 100 N         Characteristic impedance, ohms       100 ± 15         Nominal velocity of propagation (NVP)       0.69 ± 0.1         Max. Conductor resistance(DC), ohms/km       95         Length, M       305 M         Compliance       Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA -568-C.2         Supported applications       10BASE-T, 100BASE-TX, 100BASE-T4, 100BASE-T, 10GBASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive         Temperature ranges       Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C         Individual packing       Plywood drum         Package dimensions (LxW or W x H x D), mm       370x250	Application	For Outdoor Installation
Jacket color Black Protective film Polyester  Ripcord Yes  Mass density (kg) per unit length (km) 42.6 ± 0.5  Radius of bending during laying At least 10 cable diameters  Radius of bending during operation At least 8 cable diameters  Maximum tensile strength No more than 100 N  Characteristic impedance, ohms 100 ± 15  Nominal velocity of propagation (NVP) 0.69 ± 0.1  Max. Conductor resistance(DC), ohms/km 95  Length, M 305 M  Compliance Supported applications 10BASE-T, 100BASE-T,	Jacket thickness, mm	$0.6 \pm 0.05$
Protective film Polyester  Ripcord Yes  Mass density (kg) per unit length (km) 42.6 ± 0.5  Radius of bending during laying At least 10 cable diameters  Radius of bending during operation At least 8 cable diameters  Maximum tensile strength No more than 100 N  Characteristic impedance, ohms 100 ± 15  Nominal velocity of propagation (NVP) 0.69 ± 0.1  Max. Conductor resistance(DC), ohms/km 95  Length, M 305 M  Compliance Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA -568-C.2  Supported applications 10BASE-T, 100BASE-TX, 100BASE-T, 100BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive  Temperature ranges Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C Individual packing  Package dimensions (LxW or W x H x D), mm 370x250	Outer jacket diameter, mm	$7.4 \pm 0.3$
Ripcord Yes  Mass density (kg) per unit length (km) 42.6 ± 0.5  Radius of bending during laying At least 10 cable diameters  Radius of bending during operation At least 8 cable diameters  Maximum tensile strength No more than 100 N  Characteristic impedance, ohms 100 ± 15  Nominal velocity of propagation (NVP) 0.69 ± 0.1  Max. Conductor resistance(DC), ohms/km 95  Length, M 305 M  Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA -568-C.2  Supported applications 10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive  Temperature ranges Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C Individual packing  Package dimensions (LxW or W x H x D), mm 370x250	Jacket color	Black
Mass density (kg) per unit length (km)  Radius of bending during laying  Radius of bending during operation  At least 10 cable diameters  At least 8 cable diameters  Maximum tensile strength  No more than 100 N  Characteristic impedance, ohms  Nominal velocity of propagation (NVP)  Max. Conductor resistance(DC), ohms/km  Length, M  Compliance  Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA  -568-C.2  Supported applications  Temperature ranges  Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C  Individual packing  Package dimensions (LxW or W x H x D), mm  At least 10 cable diameters  At least 10	Protective film	Polyester
Radius of bending during laying  Radius of bending during operation  At least 8 cable diameters  At least 8 cable diameters  Maximum tensile strength  No more than 100 N  Characteristic impedance, ohms  100 ± 15  Nominal velocity of propagation (NVP)  Max. Conductor resistance(DC), ohms/km  95  Length, M  305 M  Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA  -568-C.2  Supported applications  10BASE-T, 10BASE-TX, 10BASE-T4, 100BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive  Temperature ranges  Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C Individual packing  Package dimensions (LxW or W x H x D), mm  370x250	Ripcord	Yes
Radius of bending during operation  At least 8 cable diameters  Maximum tensile strength  No more than 100 N  Characteristic impedance, ohms  100 ± 15  Nominal velocity of propagation (NVP)  Max. Conductor resistance(DC), ohms/km  Length, M  305 M  Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA  -568-C.2  Supported applications  10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive  Temperature ranges  Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C Individual packing  Package dimensions (LxW or W x H x D), mm  370x250	Mass density (kg) per unit length (km)	42.6 ± 0.5
Maximum tensile strength  Characteristic impedance, ohms  No more than 100 N  Characteristic impedance, ohms  Nominal velocity of propagation (NVP)  0.69 ± 0.1  Max. Conductor resistance(DC), ohms/km  205  Length, M  Compliance  Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA  -568-C.2  Supported applications  Temperature ranges  Temperature ranges  Temperature ranges  Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C  Individual packing  Package dimensions (LxW or W x H x D), mm  No more than 100 N  100 ± 15  No more than 100 N  100 ± 15  No more than 100 N  100 ± 15  100 ± 15  100 + 50 ° Installation from -10 to +50 ° C. Operation from -60 to +60 ° C	Radius of bending during laying	At least 10 cable diameters
Characteristic impedance, ohms  Nominal velocity of propagation (NVP)  0.69 $\pm$ 0.1  Max. Conductor resistance(DC), ohms/km  Length, M  305 M  Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA  -568-C.2  Supported applications  10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive  Temperature ranges  Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C Individual packing  Package dimensions (LxW or W x H x D), mm  370x250	Radius of bending during operation	At least 8 cable diameters
Nominal velocity of propagation (NVP)  Max. Conductor resistance(DC), ohms/km  Length, M  Compliance  Supported applications  Temperature ranges  Temperature ranges  Individual packing  Package dimensions (LxW or W x H x D), mm  Oscilos  0.69 ± 0.1  0.69 ± 0.1  95  Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA  Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA  10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive  Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C  Plywood drum  370x250	Maximum tensile strength	No more than 100 N
Max. Conductor resistance(DC), ohms/km  Length, M  Compliance  Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA -568-C.2  Supported applications  10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive  Temperature ranges  Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C Individual packing  Package dimensions (LxW or W x H x D), mm  370x250	Characteristic impedance, ohms	100 ± 15
Length, M  Compliance  Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA  -568-C.2  Supported applications  Temperature ranges  Temperature ranges  Individual packing  Package dimensions (LxW or W x H x D), mm  305 M  Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA  -568-C.2  10BASE-T, 100BASE-T4, 1000BASE-T, 10GBASE-T (For Cat.6), ATM-25,  ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive  Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C	Nominal velocity of propagation (NVP)	$0.69 \pm 0.1$
Compliance  Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA -568-C.2  Supported applications  10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive  Temperature ranges  Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C Individual packing  Package dimensions (LxW or W x H x D), mm  370x250	Max. Conductor resistance(DC), ohms/km	95
Compliance  -568-C.2  Supported applications  10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 10GBASE-T (For Cat.6), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive  Temperature ranges  Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C Individual packing  Package dimensions (LxW or W x H x D), mm  370x250	Length, M	305 M
Supported applications  ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive  Temperature ranges  Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C  Individual packing  Package dimensions (LxW or W x H x D), mm  370x250	Compliance	•
Individual packing Plywood drum Package dimensions (LxW or W x H x D), mm 370x250	Supported applications	
Package dimensions (LxW or W x H x D), mm 370x250	Temperature ranges	Storage from -60 to +60 ° C. Installation from -10 to +50 ° C. Operation from -60 to +60 ° C
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Individual packing	Plywood drum
Warranty 3 years	Package dimensions (LxW or W x H x D), mm	370x250
	Warranty	3 years