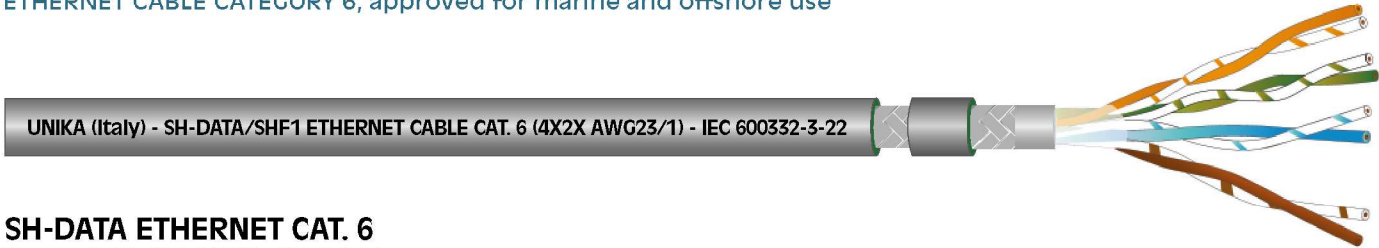


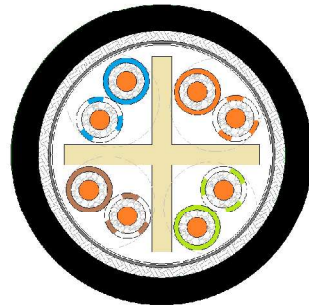
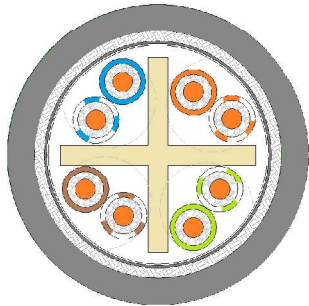
SH-DATA ETHERNET

CAVI ETHERNET CATEGORIA 6, approvati per uso navale e offshore
ETHERNET CABLE CATEGORY 6, approved for marine and offshore use



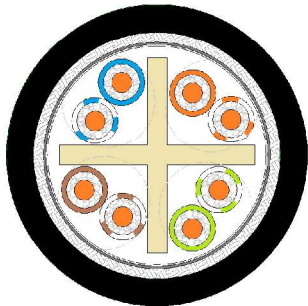
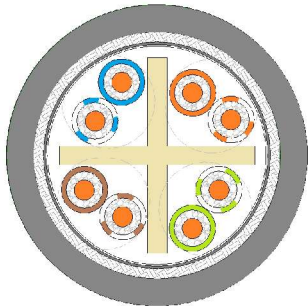
SH-DATA ETHERNET CAT. 6 Type: 4x2x23 AWG SF/UTP

	Dati tecnici	Technical data
Conduttore Conductor	filo unico rame rosso - 23 AWG/1 (0.25 mm²)	solid bare copper wire – 23 AWG/1 (0.25 mm²)
Isolamento Insulation	poliolefina espansa	foam-skin polyolefin
Colori isolamento Insulation colours	bianco/blu-blu ÷ bianco/arancione-aran-clone ÷ bianco/verde-verde ÷ bianco/marrone-marrone	white/blue-blue ÷ white/orange-orange ÷ white/green-green ÷ white/brown-brown
Riunitura anime Conductor assembly	anime cordate a coppie	twisted to pairs
Schermo coppie Pairs shield	nastro di alluminio/poliestere su ciascu-na coppia (alluminio verso l'esterno)	aluminium/polyester tape on each pair (aluminium surface outside)
Riunitura delle coppie Assembly elements	coppie cordate intorno ad un elemento a croce	pairs stranded together around a central cross separator filler
Schermo totale Overall shield	treccia di rame stagnato, copertura > 85%	tinned copper braid 85% coverage
Guaina esterna Outer jacket	SHF1 compound in accordo alla IEC 60092-360. Colore: GRIGIO	SHF1 compound according to IEC 60092-360. Colour: GREY
	SHF2 compound in accordo alla IEC 60092-360. Colore: NERO	SHF2 compound according to IEC 60092-360. Colour: BLACK
Comportamento al fuoco Fire behaviour	IEC 60332-3-22 non propagante il fuoco IEC 60332-1-2 non propagante la fiamma IEC 60754-1 assenza di alogeni IEC 60754-2 acidità dei fumi IEC 60684-2 contenuto di fluoro IEC 61034 densità dei fumi	IEC 60332-3-22 not fire propagation IEC 60332-1-2 not flame propagation IEC 60754-1 halogen content IEC 60754-2 pH and conductivity IEC 60684-2 fluorine content IEC 61034 smoke emission
Resistenza chimica Chemical resistance	Versione con SHF1: resistente ai raggi UV secondo UL 758 (protezione raccomandata in caso di contatto con acqua salata o nebulizzazione)	SHF1 version: UV resistant according to UL 758 (protection recommended in case of direct contact with salty water or nebulation)
	Versione con SHF2: resistente ai raggi UV secondo UL 758, resistente all'olio secondo IEC 60092-360 tab. 9-10, acqua salata, agenti atmosferici	SHF2 version: UV resistant according to UL 758, oil resistant according to IEC 60092-360 tab. 9-10, salty water, weathering
Marcatura Marking	Code NP404AH for SHF1 version : UNIKA (Italy) SH-DATA/ SHF1 ETHERNET CABLE CAT.6 (4x2xAWG23/1) - IEC 60332-3-22 - EN 50200 - EN 50288-4-16 PH 120, 100MHz - traceability code	
	Code NP404A for SHF2 version : UNIKA (Italy) SH-DATA/ SHF2 ETHERNET CABLE CAT.6 (4x2xAWG23/1) - IEC 60332-3-22 - EN 50200 - EN 50288-4-16 PH 120, 100MHz - traceability code	



SH-DATA ETHERNET CAT. 6 Type: 4x2x26 AWG SF/UTP

	Dati tecnici	Technical data
Conduttore Conductor	fil di rame rosso – 26 AWG/7 (0,14 mm²)	stranded bare copper wire – 26 AWG/7 (0,14 mm²)
Isolamento Insulation	poliolefina espansa	foam-skin polyolefin
Colori isolamento Insulation colours	bianco/blu-blu ÷ bianco/arancione-arancione ÷ bianco/verde-verde ÷ bianco/marrone-marrone	white/blue-blue ÷ white/orange-orange ÷ white/green-green ÷ white/brown-brown
Riunitura anime Conductor assembly	anime cordate a coppie	twisted to pairs
Riunitura delle coppie Assembly elements	coppie cordate intorno ad un elemento a croce	pairs stranded together around a central cross separator filler
Separatore Separation	nastro in poliestere	polyester tape
Schermo totale Overall shield	nastro alluminio poliestere e treccia di rame stagnato, copertura > 85%	aluminium/polyester tape + tinned copper braid 85% coverage
Guaina esterna Outer jacket	SHF1 compound in accordo alla IEC 60092-360. Colore: GRIGIO	SHF1 compound according to IEC 60092-360. Colour: GREY
	SHF2 compound in accordo alla IEC 60092-360. Colore: NERO	SHF2 compound according to IEC 60092-360. Colour: BLACK
Comportamento al fuoco Fire behaviour	IEC 60332-3-22 non propagante il fuoco IEC 60332-1-2 non propagante la fiamma IEC 60754-1 assenza di alogeni IEC 60754-2 acidità dei fumi IEC 60684-2 contenuto di fluoro IEC 61034 densità dei fumi	IEC 60332-3-22 not fire propagation IEC 60332-1-2 not flame propagation IEC 60754-1 halogen content IEC 60754-2 pH and conductivity IEC 60684-2 fluorine content IEC 61034 smoke emission
Resistenza chimica Chemical resistance	Versione con SHF1: resistente ai raggi UV secondo UL 758 (protezione raccomandata in caso di contatto con acqua salata o nebulizzazione)	SHF1 version: UV resistant according to UL 758 (protection recommended in case of direct contact with salty water or nebulation)
	Versione con SHF2: resistente ai raggi UV secondo UL 758, resistente all'olio secondo IEC 60092-360 tab. 9-10, acqua salata, agenti atmosferici	SHF2 version: UV resistant according to UL 758, oil resistant according to IEC 60092-360 tab. 9-10, salty water, weathering
Marcatura Marking	Code NP404BH for SHF1 version : UNIKA (Italy) SH-DATA/ SHF1 ETHERNET CABLE CAT.6 (4x2xAWG26/7) - IEC 60332-3-22 - traceability code	
	Code NP40B for SHF2 version : UNIKA (Italy) SH-DATA/ SHF2 ETHERNET CABLE CAT.6 (4x2xAWG26/7) - IEC 60332-3-22 - traceability code	



SHF1 SHF2		NP 404AH NP 404A	NP 404BH NP 404B
		4x2x23 AWG/1 SF/UTP	4x2x26 AWG/7 SF/UTP
Massima resistenza in cc a 20°C Max DC conductor resistance		74,5 Ω/km	143 Ω/km
Capacità Capacitance		48 pF/m	52 pF/m
Impedenza caratteristica (1÷100 MHz) Characteristic Impedance (1÷100 MHz)		100 Ω (±15%)	100 Ω (±15%)
Tensione nominale Voltage rating		125 V	125 V
Minima resistenza di Isolamento Min Insulation resistance		5,0 GΩxkm	5,0 GΩxkm
Velocità nominale di propagazione 100MHz Nominal velocity of propagation 100MHz		73%	73%
Attenuazione nominale Nominal attenuation			
1 MHz		1,9 dB/100m	2,5 dB/100m
10 MHz		5,7 dB/100m	8,6 dB/100m
100 MHz		18,7 dB/100m	28,8 dB/100m
250 MHz		30,2 dB/100m	47,5 dB/100m
Peso nominale Nominal weight		80 kg/km	52 kg/km
Diametro nominale Nominal diameter		7,5 mm	6,4 mm
Raggio di curvature minimo Minimum bending radius		10 x outer diameter	
Range di temperatura Temperature range		-15 °C ÷ +90°C (SHF1 version) -40 °C ÷ +90 °C (SHF2 version)	
Norme di riferimento Standard reference		EN 50288-2-1; EN 50173; IEC 61156-5; ISO/IEC 11801; TIA/EIA 568 B.2	EN 50288-2-2; EN 50173; IEC 61156-6; ISO/IEC 11801;
Link length recommended CLASS D (100 MHz) CHANNEL LINK: CLASS D (100 MHz) PERMANENT LINK:		≤ 115 m ≤ 100 m	≤ 76 m ≤ 66 m
Link length recommended CLASS D (250 MHz) CHANNEL LINK: CLASS D (250 MHz) PERMANENT LINK:		≤ 110 m ≤ 96 m	≤ 72 m ≤ 62 m

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