

AEROSPACE WIRES AND CABLES FOR CABINS



COAXIAL CABLES

Rating Temperature
200°C





	Specifications			Construction	Overall dia. (nominal) mm	Characteristic Impedance
	ASN/ECS/NSA		EN & MIL-DTL-17			
	Ref.	Type	Ref.			
	ECS 0757	KE		<ul style="list-style-type: none"> • Inner conductor: silver plated copper alloy • Dielectric core: PTFE • Outer conductor: silver plated copper braid + 1 fluorocarbon jacket + silver plated copper braid • Jacket: 2 FEP jackets 	3.50	50 Ω
	ECS 0745	KC		<ul style="list-style-type: none"> • Inner conductor: high strength silver plated copper alloy • Dielectric core: fluorocarbon • Outer conductor: 2 silver plated copper braids + 1 fluorocarbon jacket + silver plated copper braid • Jacket: fluorocarbon 	3.40	75 Ω
		WD	EN 4604-008	<ul style="list-style-type: none"> • Inner conductor: silver plated copper • Dielectric core: low density fluorocarbon • Outer conductor: 2 silver plated copper braids • Jacket: FEP 	7.70	50 Ω
		WM	EN 4604-006	<ul style="list-style-type: none"> • Inner conductor: silver plated copper • Dielectric core: low density PTFE • Outer conductor: 1 silver plated copper tape + silver plated copper braid • Jacket: FEP 	3.85	50 Ω
		WN	EN 4604-007	<ul style="list-style-type: none"> • Inner conductor: silver plated copper • Dielectric core: low density PTFE • Outer conductor: 1 silver plated copper tape + silver plated copper braid • Jacket: PTFE 	8.00	50 Ω
		WS	EN 4604-004	<ul style="list-style-type: none"> • Inner conductor: silver plated copper • Dielectric core: fluorocarbon • Outer conductor: silver plated copper + high permeability tape + silver plated copper braid • Jacket: 2 polyimide tapes 	+2.40	50 Ω
		WZ	EN 4604-003	<ul style="list-style-type: none"> • Inner conductor: silver plated copper • Dielectric core: low density PTFE • Outer conductor: 1 metallized foil + 1 silver plated copper braid • Jacket: FEP 	3.55	50 Ω
	NSA 935 344	XE	M17/138-00001 RG 188 AU	<ul style="list-style-type: none"> • Inner conductor: silver plated annealed-copper covered steel • Dielectric core: PTFE • Outer conductor: 1 silver plated copper braid • Jacket: PTFE 	2.70	50 Ω
	ASN E0293	XF	M17/175-00001 RG 400 U	<ul style="list-style-type: none"> • Inner conductor: silver plated copper • Dielectric core: PTFE • Outer conductor: 2 silver plated copper braids • Jacket: FEP 	5.08	50 Ω
		WL	According to EN 4604-005	<ul style="list-style-type: none"> • Inner conductor: silver plated copper alloy • Dielectric core: low density fluorocarbon • Outer conductor: 2 silver plated copper braids • Jacket: fluorocarbon 	2.35	75 Ω
	ASN E0634	WH	M17/137-00001	<ul style="list-style-type: none"> • Inner conductor: silver plated annealed-copper-covered steel • Dielectric core: PTFE • Outer conductor: 1 silver plated copper braid • Jacket: PFA 	3.58	95 Ω

COAXIAL CABLES



Rating Temperature
150° to 200°C



	Specifications		Construction	Overall dia. (nominal) mm	Characteristic Impedance
	Ref.	EN & MIL-DTL-17			
		Ref.			
	KW	According to EN 4604-009	<ul style="list-style-type: none"> Inner conductor: silver plated copper clad aluminium Dielectric core material: Expanded fluoropolymer Outer conductor: silver plated copper tape + braid (silver plated copper clad aluminum wires + silver plated copper wires) Jacket: fluorinated polymer 	7.65	50 Ω 180°C
	KX	According to EN 4604-010	<ul style="list-style-type: none"> Inner conductor silver plated copper Dielectric core material: Expanded fluoropolymer Outer conductor: silver plated copper tape + silver plated copper braid Jacket: fluorinated polymer 	5.4	50 Ω 200°C
	124962		<ul style="list-style-type: none"> Inner conductor: silver plated copper alloy Dielectric core: PTFE low density Outer conductor: 2 silver plated copper braids Jacket: fluorinated polymer - UV laser markable 	2.35	50 Ω 150°C
	124964		<ul style="list-style-type: none"> Inner conductor: silver plated copper alloy Dielectric core: PTFE low density Screen: 2 silver plated copper braids Internal jacket: fluorinated polymer Outer conductor: silver plated copper braid Jacket: fluorinated polymer - UV laser markable 	3.45	50 Ω 150°C
	132868		<ul style="list-style-type: none"> Inner conductor: silver plated copper alloy (high strength) Dielectric core material: Expanded fluoropolymer Outer conductor: 2 silver plated copper braids Jacket: fluorinated polymer - UV laser markable 	2.37	75 Ω 150°C
	132869		<ul style="list-style-type: none"> Inner conductor: silver plated copper alloy (high strength) Dielectric core material: Expanded fluoropolymer Screen: 2 silver plated copper braids Internal jacket: fluorinated polymer Outer conductor: silver plated copper braid Jacket: fluorinated polymer - UV laser markable 	3.47	75 Ω 150°C

CABLE ASSEMBLY



	Construction	Rating Temp.
	<ul style="list-style-type: none"> Coaxial assemblies Operating frequency: 1.6 GHz Customized products 	
	<ul style="list-style-type: none"> Customised table cord DR multicore Sheath: polyimide 	200°C



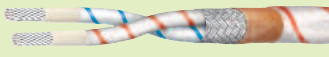
TWINAX BUS



	Specifications			Construction	Overall dia. (nominal) mm	AWG Size	Rating Temp.
	ASN/ABS/ECS		EN				
	Ref.	Type	Ref.				
	ABS 0386	WF		Shielded and sheathed 100 Ω data bus twisted pair • Conductor: nickel plated copper alloy • Insulation: PTFE • Shield: nickel copper braid • Sheath: polyimide tapes	3.30	24	200°C
	ASN E0259	HE		Shielded and sheathed 125 Ω data bus twisted pair • Conductor: silver plated copper alloy • Insulation: PTFE • Shield: nickel plated copper braid • Sheath: polyimide tapes	4.50	24	150°C
	ASN E0849	HJ		Shielded and sheathed 75 Ω data bus twisted pair • Conductor: nickel plated high strength copper alloy • Insulation: polyimide tape(s) + PTFE topcoat • Shield: nickel plated copper braid + 2 high immunity tapes + nickel plated copper braid • Sheath: FEP	3.00	26	200°C
	ASN E0811	WY		Shielded and sheathed 77 Ω data bus twisted pair • Conductor: silver plated copper alloy • Insulation: PTFE • Shield: 1 silver plated copper braid • Sheath: FEP	2.50	26	200°C
	ASN E0479	WJ	According to EN 3375-004B	Shielded and sheathed 77 Ω data bus twisted pair • Conductor: silver plated copper alloy • Insulation: PTFE • Shield: 2 tinned plated copper braids • Sheath: FEP	3.70	24	150°C
		WJ	According to EN 3375-004C	Shielded and sheathed 77 Ω data bus twisted pair • Conductor: silver plated copper alloy • Insulation: PTFE • Shield: 2 silver plated copper braids • Sheath: FEP	3.70	24	200°C
		WV	According to EN 3375-005C	Shielded and sheathed 77 Ω data bus twisted pair • Conductor: silver plated copper alloy • Insulation: PTFE • Shield: silver plated copper braid + 1 high immunity tape + silver plated copper braid • Sheath: FEP	3.80	24	200°C
	ASN E0290	XM	According to EN 3375-006D	Shielded and sheathed 78 Ω data bus twisted pair • Conductor: nickel plated high strength copper alloy • Insulation: PTFE • Shield: nickel plated copper braid • Sheath: polyimide tapes	3.10	24	200°C
	ECS 0700	WW	According to EN 3375-007C	Shielded and sheathed 77 Ω data bus twisted pair • Conductor: silver plated copper alloy • Insulation: PTFE • Shield: 2 silver plated copper braids • Sheath: FEP	2.90	26	200°C
		WX	According to EN 3375-009C	Shielded and sheathed 120 Ω data bus twisted pair • Conductor: high strength silver plated copper alloy • Insulation: Expanded fluoropolymer • Shield: silver plated copper braid • Sheath: fluoropolymer	2.80	26	200°C
 5 WF shielded and jacketed	ECS 0758	KF		Shielded and sheathed 100 Ω data transmission 5 ABS 0386 WF shielded and jacketed	10.25	24	200°C

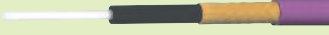
TWINAX BUS



	Specifications			Construction	Overall dia. (nominal) mm	AWG Size Ethernet/Power	Rating Temp.
	ASN/ABS/ECS		EN				
	Ref.	Type	Ref.				
	124960			Shielded and sheathed 77 Ω data bus twisted pair <ul style="list-style-type: none"> • Conductor: silver plated copper alloy • Insulation: fluoropolymer • Shield: silver plated copper braid • Sheath: fluoropolymer - suitable for UV laser marking 	2.50	26	150°C
	124961			Shielded and sheathed 77 Ω data bus twisted pair <ul style="list-style-type: none"> • Conductor: silver plated copper alloy • Insulation: fluoropolymer • Shield: 2 silver plated copper braids • Sheath: fluoropolymer - suitable for UV laser marking 	3.65	24	150°C
		GPB	EN 4608-005	Shielded and sheathed 120 Ω data bus twisted pair <ul style="list-style-type: none"> • Conductor: nickel clad copper alloy • Insulation: fire resistant + polyimide and PTFE tapes • Shield: nickel plated copper braid • Sheath: PTFE - suitable for UV laser marking 	4.00	24	260°C






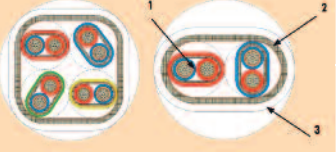
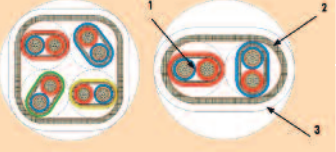
OPTICAL CABLE



	Specifications			Construction	Overall dia. (nominal) mm	AWG Size Ethernet/Power	Rating Temp.
	ASN/ABS/ECS		EN				
	Ref.	Type	Ref.				
	ABS 0963	003LF		Optical fibre cable <ul style="list-style-type: none"> • Core: 62.5/125 silica, silicone coating 400 μm • Jacket: zero halogen copolymer • Mechanical strength: polymer aromatic fiber braid • Outer Jacket: zero halogen copolymer + ETFE 	1.80		125°C


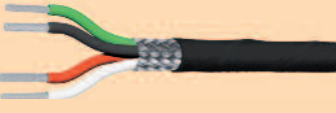

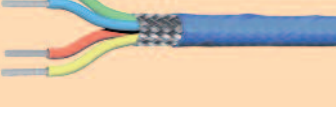
SPECIAL CABLES



Specifications				Construction	Overall dia. (nominal) mm	AWG Size	Rating Temp.
ASN/ABS/ECS							
Ref.	Type						
	NSA 935 306	YK		Shielded and sheathed low noise twisted pair <ul style="list-style-type: none"> • Conductor: silver plated annealed-copper-covered steel • Insulation: PTFE + low noise treatment • Shield: nickel plated copper braid • Sheath: polyimide + PTFE tapes • Application: low noise cables 	4.36 Max	22	260°C
	ASN E0385	HH		FEP sheathed coil cord 3 DR 16 + 3 DR 22 basic wires + 7 PTFE fillers <ul style="list-style-type: none"> • Sheath: fluoropolymer 			200°C
	ASN E0488	HL		FEP sheathed coil cord 6 DR 24 + 2 DR 20 + 1 DR 16 basic wire <ul style="list-style-type: none"> • Sheath: fluoropolymer 			200°C
	ABS 1527	HX		Extensible cables for sliding windows DR multicores <ul style="list-style-type: none"> • Sheath: fluoropolymer 			200°C
	ABS 1529	HY		Extensible cables for tablet DR multicores <ul style="list-style-type: none"> • Sheath: polyimide 			200°C
	ECS0828	MQB24		2 pairs - shielded jacketed <ul style="list-style-type: none"> • 2 EN2714 - 013B002 • Polyimide tape • Shield: nickel plated copper braid • Sheath: fluoropolymer 	5.2	24	200°C
	ECS0829	MQD24		4 pairs - shielded jacketed <ul style="list-style-type: none"> • 4 EN2714 - 013B002 • Polyimide tape • Shield: nickel plated copper braid • Sheath: fluoropolymer 	6.3	24	200°C

IFE



Specifications				Construction	Overall dia. (nominal) mm	AWG Size	Rating Temp.
Ref.							
Ref.	Type						
	ABS 1503	KD	According to EN 3375-008	Shielded quad cable 100 Ω - 100 MHz <ul style="list-style-type: none"> • Conductor: silver plated copper • Insulation: fluoropolymer • Shield: 1 silver plated copper braid • Sheath: fluoropolymer • Suitable for UV laser marking 	4.40	24	125°C
	ET 133443			Quad USB <ul style="list-style-type: none"> • Description: Quad 90Ω • Conductor: Silver plated copper alloy • Insulation: PTFE • Shield: tinned or silver plated copper braid • Jacket: Fluoropolymer 	3.45	26/22	105°C
	ET 133487			Composite Ethernet/DC power cables <ul style="list-style-type: none"> • Description: 2x twisted pairs 100Ω + DC power pair • Conductor: Silver plated copper alloy • Insulation: Aerated fluoropolymer • Shield: tinned or silver plated copper braid • Jacket: Fluoropolymer 	4.65	26/22	105°C
	ET 133479			Ethernet Quadrx <ul style="list-style-type: none"> • Description: Quad 100Ω • Conductor: Silver plated copper alloy • Insulation: Fluoropolymer • Shield: tinned or silver plated copper braid • Jacket: Fluoropolymer 	2.80	28	105°C

Nexans brings energy to life through an extensive range of advanced cabling systems, solutions and innovative services.





For over 120 years, Nexans has been providing customers with cutting-edge cabling infrastructure for power and data transmission. Today, beyond cables, the Group advises customers and designs solutions and services that maximize performance and efficiency of their projects in four main business areas: Building & Territories (including utilities, e-mobility), High Voltage & Projects (covering offshore wind farms, submarine interconnections, land high voltage), Telecom & Data (covering data transmission, telecom networks, hyperscale data centers, LAN), and Industry & Solutions (including renewables, transportation, Oil & Gas, automation, and others).

Corporate Social Responsibility is a guiding principle of Nexans' business activities and internal practices. In 2013 Nexans became the first cable provider to create a Foundation supporting sustainable initiatives bringing access to energy to disadvantaged communities worldwide. The Group's commitment to developing ethical, sustainable and high-quality cables also drives its active involvement within leading industry associations, including Europacable, the NEMA, ICF or CIGRE to mention a few.

Nexans employs nearly 27,000 people with industrial footprint in 34 countries and commercial activities worldwide. In 2018, the Group generated 6.5 billion euros in sales.

Nexans is listed on Euronext Paris, compartment A.

For more information, please consult: www.nexans.com

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