



- 0.6/1kV Power and control cables
- **Oil resistant.**

STANDARDS

Product IEC 60228; IEC 60502-1

Test IEC 60332-3-22 Cat.A

APPLICATIONS

These power and control cables are used for electricity supply in **low voltage installation system where chemicals may be present.**

Design

Conductor:

Solid plain copper: 1.5 to 4 mm²

Stranded plain copper: 1.5 to 630 mm²

Insulation:

Cross-linked polyethylene (XLPE)

Bedding(optional):

Inner sheath acting as a filler with practically zero thickness or assembling polyester tape

Outer sheath:

Polyvinyl chloride (PVC). Colour: black. Other colour on request.

Core identification

1 core: black

2x to 5G cores: according to HD 308 S2

Above 5 cores: black core printed with white number.

Marking

NEXANS 279 XLPE/PVC 0.6/1 kV Nber of cores and cross section Cu IEC 60332-3-22 (A) MM YYYY manufacturing number + meter marking

CONTACT

Market information
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ogroup.com



Rated Voltage U₀/U (Um)
0,6/1 kV



Fire retardant
EN IEC 60332-3-22 (cat A)



Oil resistance
Yes



Max.conductor temp.in service
90 °C



Operating temp.
-20 ... 60 °C

CHARACTERISTICS

Construction characteristics

Conductor material	Plain copper
Insulation	XLPE (Cross-linked Polyethylene)
Outer sheath	PVC

Electrical characteristics

Rated Voltage U ₀ /U (Um)	0,6/1 kV
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Usage characteristics

Fire retardant	EN IEC 60332-3-22 (cat A)
Oil resistance	Yes
Max. conductor temperature in service	90 °C
Operating temperature, range	-20 ... 60 °C

PRODUCT LIST

Reference	Country Ref.	Name	Type of conductor	With Green/Yellow core	Number of cores
☎ 10107601	-	IEC 60502-1 Unarmoured 1 x 25	Stranded, class 2	No	1
☎ 10107602	-	IEC 60502-1 Unarmoured 1 x 35	Stranded, class 2	No	1
☎ 10107603	-	IEC 60502-1 Unarmoured 1 x 50	Stranded, class 2	No	1
☎ 10107848	-	IEC 60502-1 Unarmoured 1 x 70	Stranded, class 2	No	1
☎ 10107849	-	IEC 60502-1 Unarmoured 1 x 95	Stranded, class 2	No	1
☎ 10107850	-	IEC 60502-1 Unarmoured 1 x 120	Stranded, class 2	No	1
☎ 10107851	-	IEC 60502-1 Unarmoured 1 x 150	Stranded, class 2	No	1
☎ 10107852	-	IEC 60502-1 Unarmoured 1 x 185	Stranded, class 2	No	1
☎ 10107853	-	IEC 60502-1 Unarmoured 1 x 240	Stranded, class 2	No	1
☎ 10107854	-	IEC 60502-1 Unarmoured 1 x 300	Stranded, class 2	No	1
☎ 10107855	-	IEC 60502-1 Unarmoured 1 x 400	Stranded, class 2	No	1

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Oil resistance
Yes



Max. conductor temp. in service
90 °C



Operating temp.
-20 ... 60 °C

Reference	Country Ref.	Name	Type of conductor	With Green/Yellow core	Number of cores
☎ 10107856	-	IEC 60502-1 Unarmoured 1 x 500	Stranded, class 2	No	1
☎ 10107857	-	IEC 60502-1 Unarmoured 1 x 630	Stranded, class 2	No	1
☎ 10107604	-	IEC 60502-1 Unarmoured 2 x 1,5	Solid, Class 1	No	2
☎ 10107056	-	IEC 60502-1 Unarmoured 2 x 1,5	Stranded, class 2	No	2
☎ 10107605	-	IEC 60502-1 Unarmoured 2 x 2,5	Solid, Class 1	No	2
☎ 10107057	-	IEC 60502-1 Unarmoured 2 x 2,5	Stranded, class 2	No	2
☎ 10107606	-	IEC 60502-1 Unarmoured 2 x 4	Solid, Class 1	No	2
☎ 10107058	-	IEC 60502-1 Unarmoured 2 x 4	Stranded, class 2	No	2
☎ 10107607	-	IEC 60502-1 Unarmoured 2 x 6	Stranded, class 2	No	2
☎ 10107608	-	IEC 60502-1 Unarmoured 2 x 10	Stranded, class 2	No	2
☎ 10107609	-	IEC 60502-1 Unarmoured 2 x 16	Stranded, class 2	No	2
☎ 10107610	-	IEC 60502-1 Unarmoured 2 x 25	Stranded, class 2	No	2
☎ 10107611	-	IEC 60502-1 Unarmoured 2 x 35	Stranded, class 2	No	2
☎ 10107612	-	IEC 60502-1 Unarmoured 2 x 50	Stranded, class 2	No	2
☎ 10107858	-	IEC 60502-1 Unarmoured 2 x 70	Stranded, class 2	No	2
☎ 10107859	-	IEC 60502-1 Unarmoured 2 x 95	Stranded, class 2	No	2
☎ 10107860	-	IEC 60502-1 Unarmoured 2 x 120	Stranded, class 2	No	2
☎ 10107861	-	IEC 60502-1 Unarmoured 2 x 150	Stranded, class 2	No	2
☎ 10107862	-	IEC 60502-1 Unarmoured 2 x 185	Stranded, class 2	No	2
☎ 10107863	-	IEC 60502-1 Unarmoured 2 x 240	Stranded, class 2	No	2

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Rated Voltage U₀/U (Um)
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Fire retardant
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Oil resistance
Yes



Max. conductor temp. in service
90 °C



Operating temp.
-20 ... 60 °C

Reference	Country Ref.	Name	Type of conductor	With Green/Yellow core	Number of cores
☎ 10107864	-	IEC 60502-1 Unarmoured 2 x 300	Stranded, class 2	No	2
☎ 10107613	-	IEC 60502-1 Unarmoured 3 x 1,5	Solid, Class 1	No	3
☎ 10107059	-	IEC 60502-1 Unarmoured 3 x 1,5	Stranded, class 2	No	3
☎ 10107614	-	IEC 60502-1 Unarmoured 3 x 2,5	Solid, Class 1	No	3
☎ 10107060	-	IEC 60502-1 Unarmoured 3 x 2,5	Stranded, class 2	No	3
☎ 10107615	-	IEC 60502-1 Unarmoured 3 x 4	Solid, Class 1	No	3
☎ 10107061	-	IEC 60502-1 Unarmoured 3 x 4	Stranded, class 2	No	3
☎ 10107062	-	IEC 60502-1 Unarmoured 3 x 6	Stranded, class 2	No	3
☎ 10107063	-	IEC 60502-1 Unarmoured 3 x 10	Stranded, class 2	No	3
☎ 10107064	-	IEC 60502-1 Unarmoured 3 x 16	Stranded, class 2	No	3
☎ 10107065	-	IEC 60502-1 Unarmoured 3 x 25	Stranded, class 2	No	3
☎ 10107066	-	IEC 60502-1 Unarmoured 3 x 35	Stranded, class 2	No	3
☎ 10107067	-	IEC 60502-1 Unarmoured 3 x 50	Stranded, class 2	No	3
☎ 10107068	-	IEC 60502-1 Unarmoured 3 x 70	Stranded, class 2	No	3
☎ 10107069	-	IEC 60502-1 Unarmoured 3 x 95	Stranded, class 2	No	3
☎ 10107070	-	IEC 60502-1 Unarmoured 3 x 120	Stranded, class 2	No	3
☎ 10107071	-	IEC 60502-1 Unarmoured 3 x 150	Stranded, class 2	No	3
☎ 10107616	-	IEC 60502-1 Unarmoured 3 x 185	Stranded, class 2	No	3
☎ 10107617	-	IEC 60502-1 Unarmoured 3 x 240	Stranded, class 2	No	3
☎ 10107618	-	IEC 60502-1 Unarmoured 3 x 300	Stranded, class 2	No	3

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Oil resistance
Yes



Max. conductor temp. in service
90 °C



Operating temp.
-20 ... 60 °C

Reference	Country Ref.	Name	Type of conductor	With Green/Yellow core	Number of cores
☎ 10107619	-	IEC 60502-1 Unarmoured 4 x 1,5	Solid, Class 1	No	4
☎ 10107072	-	IEC 60502-1 Unarmoured 4 x 1,5	Stranded, class 2	No	4
☎ 10107620	-	IEC 60502-1 Unarmoured 4 x 2,5	Solid, Class 1	No	4
☎ 10107073	-	IEC 60502-1 Unarmoured 4 x 2,5	Stranded, class 2	No	4
☎ 10107621	-	IEC 60502-1 Unarmoured 4 x 4	Solid, Class 1	No	4
☎ 10107084	-	IEC 60502-1 Unarmoured 4 x 4	Stranded, class 2	No	4
☎ 10107085	-	IEC 60502-1 Unarmoured 4 x 6	Stranded, class 2	No	4
☎ 10107086	-	IEC 60502-1 Unarmoured 4 x 10	Stranded, class 2	No	4
☎ 10107087	-	IEC 60502-1 Unarmoured 4 x 16	Stranded, class 2	No	4
☎ 10107088	-	IEC 60502-1 Unarmoured 4 x 25	Stranded, class 2	No	4
☎ 10107089	-	IEC 60502-1 Unarmoured 4 x 35	Stranded, class 2	No	4
☎ 10107090	-	IEC 60502-1 Unarmoured 4 x 50	Stranded, class 2	No	4
☎ 10107091	-	IEC 60502-1 Unarmoured 4 x 70	Stranded, class 2	No	4
☎ 10107092	-	IEC 60502-1 Unarmoured 4 x 95	Stranded, class 2	No	4
☎ 10107093	-	IEC 60502-1 Unarmoured 4 x 120	Stranded, class 2	No	4
☎ 10107094	-	IEC 60502-1 Unarmoured 4 x 150	Stranded, class 2	No	4
☎ 10107622	-	IEC 60502-1 Unarmoured 4 x 185	Stranded, class 2	No	4
☎ 10107623	-	IEC 60502-1 Unarmoured 4 x 240	Stranded, class 2	No	4
☎ 10107624	-	IEC 60502-1 Unarmoured 4 x 300	Stranded, class 2	No	4
☎ 10107625	-	IEC 60502-1 Unarmoured 5G1,5	Solid, Class 1	Yes	5

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Oil resistance
Yes



Max. conductor temp. in service
90 °C



Operating temp.
-20 ... 60 °C

Reference	Country Ref.	Name	Type of conductor	With Green/Yellow core	Number of cores
☎ 10107095	-	IEC 60502-1 Unarmoured 5G1,5	Stranded, class 2	Yes	5
☎ 10107626	-	IEC 60502-1 Unarmoured 5G2,5	Solid, Class 1	Yes	5
☎ 10107096	-	IEC 60502-1 Unarmoured 5G2,5	Stranded, class 2	Yes	5
☎ 10107627	-	IEC 60502-1 Unarmoured 5G4	Solid, Class 1	Yes	5
☎ 10107097	-	IEC 60502-1 Unarmoured 5G4	Stranded, class 2	Yes	5
☎ 10107098	-	IEC 60502-1 Unarmoured 5G6	Stranded, class 2	Yes	5
☎ 10107099	-	IEC 60502-1 Unarmoured 5G10	Stranded, class 2	Yes	5
☎ 10107100	-	IEC 60502-1 Unarmoured 5G16	Stranded, class 2	Yes	5
☎ 10107101	-	IEC 60502-1 Unarmoured 5G25	Stranded, class 2	Yes	5
☎ 10107102	-	IEC 60502-1 Unarmoured 5G35	Stranded, class 2	Yes	5
☎ 10107628	-	IEC 60502-1 Unarmoured 5G50	Stranded, class 2	Yes	5
☎ 10107865	-	IEC 60502-1 Unarmoured 5G70	Stranded, class 2	Yes	5
☎ 10107866	-	IEC 60502-1 Unarmoured 5G95	Stranded, class 2	Yes	5
☎ 10107867	-	IEC 60502-1 Unarmoured 5G120	Stranded, class 2	Yes	5
☎ 10107868	-	IEC 60502-1 Unarmoured 5G150	Stranded, class 2	Yes	5
☎ 10107869	-	IEC 60502-1 Unarmoured 5G185	Stranded, class 2	Yes	5
☎ 10107870	-	IEC 60502-1 Unarmoured 5G240	Stranded, class 2	Yes	5
☎ 10107871	-	IEC 60502-1 Unarmoured 5G300	Stranded, class 2	Yes	5
☎ 10107629	-	IEC 60502-1 Unarmoured 7 x 1,5	Stranded, class 2	No	7
☎ 10107630	-	IEC 60502-1 Unarmoured 10 x 1,5	Stranded, class 2	No	10

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Oil resistance
Yes



Max. conductor temp. in service
90 °C



Operating temp.
-20 ... 60 °C

Reference	Country Ref.	Name	Type of conductor	With Green/Yellow core	Number of cores
☎ 10107631	-	IEC 60502-1 Unarmoured 12 x 1,5	Stranded, class 2	No	12
☎ 10107632	-	IEC 60502-1 Unarmoured 14 x 1,5	Stranded, class 2	No	14
☎ 10107633	-	IEC 60502-1 Unarmoured 19 x 1,5	Stranded, class 2	No	19
☎ 10107634	-	IEC 60502-1 Unarmoured 24 x 1,5	Stranded, class 2	No	24
☎ 10107635	-	IEC 60502-1 Unarmoured 27 x 1,5	Stranded, class 2	No	27
☎ 10107636	-	IEC 60502-1 Unarmoured 30 x 1,5	Stranded, class 2	No	30
☎ 10107637	-	IEC 60502-1 Unarmoured 37 x 1,5	Stranded, class 2	No	37
☎ 10107638	-	IEC 60502-1 Unarmoured 7 x 2,5	Stranded, class 2	No	7
☎ 10107639	-	IEC 60502-1 Unarmoured 10 x 2,5	Stranded, class 2	No	10
☎ 10107640	-	IEC 60502-1 Unarmoured 12 x 2,5	Stranded, class 2	No	12
☎ 10107641	-	IEC 60502-1 Unarmoured 14 x 2,5	Stranded, class 2	No	14
☎ 10107642	-	IEC 60502-1 Unarmoured 19 x 2,5	Stranded, class 2	No	19
☎ 10107643	-	IEC 60502-1 Unarmoured 24 x 2,5	Stranded, class 2	No	24
☎ 10107644	-	IEC 60502-1 Unarmoured 27 x 2,5	Stranded, class 2	No	27
☎ 10107645	-	IEC 60502-1 Unarmoured 30 x 2,5	Stranded, class 2	No	30
☎ 10107646	-	IEC 60502-1 Unarmoured 37 x 2,5	Stranded, class 2	No	37

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SELLING AND DELIVERY INFORMATION

Other fire performances IEC 60332-1 or IEC 60332-3-24(C) and enhanced hydrocarbon resistance on request.

Minimum bending radius:



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Oil resistance
Yes



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Operating temp.
-20 ... 60 °C

1 core: 9 x outer diameter
 Multicores: 6 x outer diameter
 To be doubled during laying operations

Cables with reduced neutral on request.



Rated Voltage U₀/U (U_m)
 0,6/1 kV



Fire retardant
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Oil resistance
 Yes



Max. conductor temp. in service
 90 °C



Operating temp.
 -20 ... 60 °C