

POWER & CONTROL cables without screen

DESCRIPTION

Applications

MPRX® 0.6/1 kV power and control cables are used for wiring fixed installations not subject to mechanical risks.

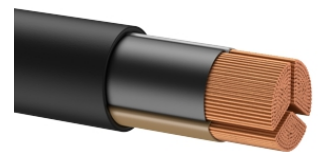
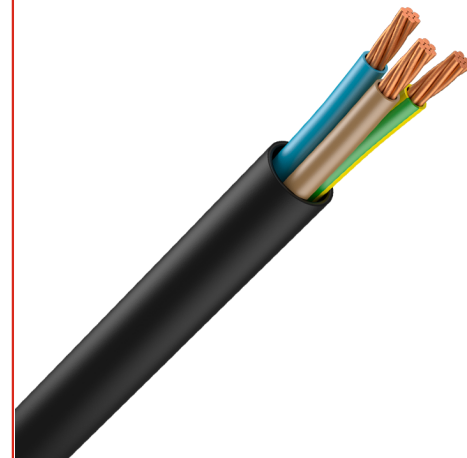
The highly flexible MPRX® FLEXISHIP® range is recommended for installations and connections in narrow spaces where an optimal bending radius is required. The sectoral conductors of multicore cables provide further space and weight savings on the cable trays. Designed with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risks of fire.

Design

- 1. Conductor:**
Stranded bare copper, class 2
or flexible bare copper, class 5 for FLEXISHIP® types
(cross sections > 4 mm²)
- 2. Insulation:**
XLPE (cross-linked polyethylene)
- 3. Outer sheath:**
(Filler, if necessary)
Polyolefin SHF1 (SHF2 on request)
Colour : black

Marking

NEXANS 279 MPRX or MPRX FLEXISHIP Nber of cores & cross-section 0.6/1kV 90C
IEC 60092-353 IEC 60332-3-22 Cat. A WW YYYY *CE* Manufacturing n° + metric marking



STANDARDS

International IEC 60092-350;
IEC 60092-353; IEC 60092-360;
IEC 60228; IEC 60332-1;
IEC 60332-3-22; IEC 60754-1;
IEC 60754-2; IEC 61034



Halogen free
IEC 60754-1



Fire retardant
IEC 60332-3-22



Flame retardant
IEC 60332-1



Gases toxicity
No



Gases corrosivity
IEC 60754-2



Smoke density
IEC 61034



Operating temp.
-30 .. 80 °C



Max. conductor
temp. in service
90 °C

Core Identification

1 core: black
 2 cores: brown-blue
 3 x: brown-black-grey
 3G: brown-blue-green/yellow
 4 x: brown-black-grey-blue
 4G: brown-black-grey-green/yellow
 5 x: white with printed numbers
 5G: brown-black-grey-blue-green/yellow
 > 5 cores: nx: white with printed numbers
 > 5 cores: nG: white with printed numbers + green/yellow core

CHARACTERISTICS

Construction characteristics

Halogen free	IEC 60754-1
Sheath colour	Black

Usage characteristics

Fire retardant	IEC 60332-3-22
Flame retardant	IEC 60332-1
Gases toxicity	No
Gases corrosivity	IEC 60754-2
Smoke density	IEC 61034
Operating temperature, range	-30 .. 80 °C
Max. conductor temperature in service	90 °C

MPRX®

Nexans ref.	Country ref.	Name	Nb. of cores	Cross section [mm²]	Conductor shape	Nom. outer diam. [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	Perm. current rating open air [A]	Green/Yellow core
-	-	MPRX® 0.6/1kV 1x1.5	1	1.5	Circular	4.9	4.6	5.6	35	23	No
10164474	-	MPRX® 0.6/1kV 1x2.5	1	2.5	Circular	5.4	5.0	6.2	44	40	No



Halogen free
IEC 60754-1



Fire retardant
IEC 60332-3-22



Flame retardant
IEC 60332-1



Gases toxicity
No



Gases corrosivity
IEC 60754-2



Smoke density
IEC 61034



Operating temp.
-30 .. 80 °C



Max. conductor temp. in service
90 °C

Nexans ref.	Country ref.	Name	Nb. of cores	Cross section [mm²]	Conductor shape	Nom. outer diam. [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	Perm. current rating open air [A]	Green/ Yellow core
10164430	01098933	MPRX® 0.6/1kV 2x1.5	2	1.5	Circular	7.8	7.0	8.5	65	20	No
10164475	01098934	MPRX® 0.6/1kV 2x2.5	2	2.5	Circular	8.9	8.0	9.5	95	26	No
10164464	01101628	MPRX® 0.6/1kV 3x1.5	3	1.5	Circular	8.2	7.5	9.0	85	16	No
10164432	01099545	MPRX® 0.6/1kV 3G1.5	3	1.5	Circular	8.2	7.5	9.0	85	16	Yes
10164478	01101630	MPRX® 0.6/1kV 3x2.5	3	2.5	Circular	9.4	8.9	9.6	120	21	No
10164476	01099548	MPRX® 0.6/1kV 3G2.5	3	2.5	Circular	9.4	8.9	9.6	120	21	Yes
10164465	01099546	MPRX® 0.6/1kV 4G1.5	4	1.5	Circular	9.2	8.9	10.4	110	17	Yes
10164466	-	MPRX® 0.6/1kV 4x1.5	4	1.5	Circular	9.2	8.9	10.4	110	18	No
10164481	01098966	MPRX® 0.6/1kV 4x2.5	4	2.5	Circular	10.3	9.9	11.4	151	21	No
10164479	01099349	MPRX® 0.6/1kV 4G2.5	4	2.5	Circular	10.3	9.9	11.4	151	21	Yes
10164468	01101443	MPRX® 0.6/1kV 5x1.5 num	5	1.5	Circular	10.0	9.6	11.1	142	16	No
10164467	-	MPRX® 0.6/1kV 5G1.5	5	1.5	Circular	10.0	9.6	11.1	142	16	Yes
10164482	-	MPRX® 0.6/1kV 5x2.5	5	2.5	Circular	11.1	10.7	12.2	188	21	No



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Smoke density
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-30 .. 80 °C



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10200170	-	MPRX® 0.6/1kV 5G2.5	5	2.5	Circular	11.1	10.7	12.2	188	21	Yes
10266284	-	MPRX® 0.6/1kV 5G2.5 colour	5	2.5	Circular	11.1	10.7	12.2	188	21	Yes
10164469	01101444	MPRX® 0.6/1kV 7x1.5	7	1.5	Circular	11.0	10.5	12.0	179	11	No
10192676	-	MPRX® 0.6/1kV 7G1.5	7	1.5	Circular	11.0	10.5	12.0	179	16	Yes
10164483	-	MPRX® 0.6/1kV 7x2.5	7	2.5	Circular	12.3	12.0	14.0	251	16	No
10164470	01101448	MPRX® 0.6/1kV 12x1.5	12	1.5	Circular	14.7	14.0	15.5	295	10	No
	-	MPRX® 0.6/1kV 12x2.5	12	2.5	Circular	16.3	15.5	18.5	420	13	No
10164471	01101450	MPRX® 0.6/1kV 19x1.5	19	1.5	Circular	16.9	16.7	18.2	445	9	No
	-	MPRX® 0.6/1kV 19x2.5	19	2.5	Circular	19.3	18.5	21.5	640	11	No
10164472	01101454	MPRX® 0.6/1kV 27x1.5	27	1.5	Circular	21.5	21.0	23.0	621	8	No
	-	MPRX® 0.6/1kV 27x2.5	27	2.5	Circular	23.5	23.0	26.5	900	10	No
10164473	-	MPRX® 0.6/1kV 37x1.5	37	1.5	Circular	23.6	23.0	25.0	829	7	No
	-	MPRX® 0.6/1kV 37x2.5	37	2.5	Circular	26.5	25.5	29.5	1200	9	No



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MPRX® FLEXISHIP®

Nexans ref.	Country ref.	Name	Nb . of co res	Cross section [mm²]	Conductor shape	Nom. outer diam. [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx . weight [kg/km]	Perm. current rating open air [A]	Green/ Yellow core
-	-	MPRX® FLEXISHIP® 0.6/1kV 1x4	1	4	Circular	5.8	5.5	6.8	63	51	No
10164488	01098920	MPRX® FLEXISHIP® 0.6/1kV 1x6	1	6	Circular	6.6	6.2	7.2	80	52	No
10196222	-	MPRX® FLEXISHIP® 0.6/1kV 1x10	1	10	Circular	7.4	7.0	8.2	120	72	No
10280726	-	MPRX® FLEXISHIP® 0.6/1kV 1x16	1	16	Circular	8.4	8.4	9.8	173	96	No
10164515	01098923	MPRX® FLEXISHIP® 0.6/1kV 1x25	1	25	Circular	10.0	9.8	11.5	274	127	No
10222172	01272522	MPRX® FLEXISHIP® 0.6/1kV 1x35	1	35	Circular	11.9	11.0	12.1	368	157	No
10050658	01272523	MPRX® FLEXISHIP® 0.6/1kV 1x50	1	50	Circular	13.6	12.5	14.5	515	196	No
10193731	01272524	MPRX® FLEXISHIP® 0.6/1 kV 1x70	1	70	Circular	15.7	15.0	17.0	728	242	No
10193732	01272525	MPRX® FLEXISHIP® 0.6/1kV 1x95	1	95	Circular	17.5	17.0	19.0	920	293	No
10277088	01272526	MPRX® FLEXISHIP® 0.6/1kV 1x120	1	120	Circular	20.2	18.5	21.0	1163	339	No
10199015	01272527	MPRX® FLEXISHIP® 0.6/1kV 1x150	1	150	Circular	21.8	21.0	23.5	1441	389	No
10200534	01272528	MPRX® FLEXISHIP® 0.6/1kV 1x185	1	185	Circular	24.3	22.8	25.5	1753	444	No
10212712	01272529	MPRX® FLEXISHIP® 0.6/1kV 1x240	1	240	Circular	26.9	26.5	29.5	2295	522	No



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Nexans ref.	Country ref.	Name	Nb Cross . of secti co res [mm²]		Conductor shape	Nom. outer diam. [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx . weight [kg/km]	Perm. current rating open air [A]	Green/ Yellow core
10164484	-	MPRX® FLEXISHIP® 0.6/1kV 2x4	2	4	Circular	10.4	9.8	11.5	131	34	No
10164489	-	MPRX® FLEXISHIP® 0.6/1kV 2x6	2	6	Circular	11.2	11.0	12.5	162	44	No
10164505	-	MPRX® FLEXISHIP® 0.6/1kV 2x10	2	10	Circular	13.0	12.5	15.0	248	61	No
10164510	-	MPRX® FLEXISHIP® 0.6/1kV 2x16	2	16	Circular	15.4	16.0	19.0	367	82	No
-	-	MPRX® FLEXISHIP® 0.6/1kV 2x25	2	25	Circular	19.7	19.0	22.5	637	108	No
-	-	MPRX® FLEXISHIP® 0,6/1kV 2x50	2	50	Circular	25.4	24.5	28.5	1083	167	No
10164485	01101633	MPRX® FLEXISHIP® 0.6/1kV 3x4	3	4	Circular	10.8	10.5	12.0	172	28	No
10217156	-	MPRX® FLEXISHIP® 0.6/1kV 3G4	3	4	Circular	10.8	10.5	12.0	172	28	Yes
10164491	01101635	MPRX® FLEXISHIP® 0.6/1kV 3x6	3	6	Circular	12.1	11.7	13.5	228	36	No
10164506	01101636	MPRX® FLEXISHIP® 0.6/1kV 3x10	3	10	Circular	13.8	13.5	15.5	346	50	No
10164511	01101639	MPRX® FLEXISHIP® 0.6/1kV 3x16	3	16	Circular	16.5	16.0	20.0	582	67	No
10164516	01101641	MPRX® FLEXISHIP® 0.6/1kV 3x25	3	25	Circular	20.8	20.0	24.0	801	89	No
10222349	-	MPRX® FLEXISHIP® 0,6/1kV 3x35	3	35	Circular	24.2	22.5	25.5	1186	110	No



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Nexans ref.	Country ref.	Name	Nb . of co res	Cross section [mm²]	Conductor shape	Nom. outer diam. [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx . weight [kg/km]	Perm. current rating open air [A]	Green/ Yellow core
	-	MPRX® FLEXISHIP® 0.6/1kV 3x35 sector-shaped	3	35	Sector-shaped	21.2	20.5	23.0	1095	110	No
10239134	-	MPRX® FLEXISHIP® 0,6/1kV 3x50	3	50	Circular	27.4	26.5	29.5	1673	137	No
	-	MPRX® FLEXISHIP® 0.6/1kV 3x50 sector-shaped	3	50	Sector-shaped	25.2	24.0	27.0	1562	137	No
10283753	-	MPRX® FLEXISHIP® 0,6/1kV 3x70	3	70	Circular	31.4	29.2	33.6	2355	169	No
10186007	01270408	MPRX® FLEXISHIP® 0.6/1kV 3x70 sector-shaped	3	70	Sector-shaped	28.5	26.5	30.0	2111	169	No
10281447	-	MPRX® FLEXISHIP® 0.6/1kV 3x95	3	95	Circular	36.6	35.0	40.0	2985	205	No
	-	MPRX® FLEXISHIP® 0,6/1kV 3G95	3	95	Circular	36.6	35.0	40.0	2985	205	Yes
10186008	01270409	MPRX® FLEXISHIP® 0.6/1kV 3x95 sector-shaped	3	95	Sector-shaped	29.6	27.5	32.5	2874	205	No
10284698	-	MPRX® FLEXISHIP® 0,6/1kV 3x120	3	120	Circular	41.3	38.5	44.5	3769	237	No
10186009	01270410	MPRX® FLEXISHIP® 0.6/1kV 3x120 sector-shaped	3	120	Sector-shaped	33.2	30.9	35.0	3629	237	No
	-	MPRX® FLEXISHIP® 0,6/1kV 3G150	3	150	Circular	46.2	43.5	50.0	4710	272	Yes



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Smoke density
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Operating temp.
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Max. conductor
temp. in service
90 °C

Nexans ref.	Country ref.	Name	Nb . of co res	Cross secti on [mm²]	Conductor shape	Nom. outer diam. [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx . weight [kg/km]	Perm. current rating open air [A]	Green/ Yellow core
10283001	-	MPRX® FLEXISHIP® 0.6/1kV 3x150 sector-shaped	3	150	Sector-shaped	36.9	34.3	39.5	4184	272	No
10164487	01101085	MPRX® FLEXISHIP® 0.6/1kV 4x4	4	4	Circular	12.0	11.5	13.5	244	28	No
10164486	01248965	MPRX® FLEXISHIP® 0.6/1kV 4G4	4	4	Circular	12.0	11.5	13.5	244	28	Yes
10164504	01101086	MPRX® FLEXISHIP® 0.6/1kV 4x6	4	6	Circular	13.2	12.5	14.5	292	36	No
10164493	01248966	MPRX® FLEXISHIP® 0.6/1kV 4G6	4	6	Circular	13.2	12.5	14.5	292	36	Yes
10164508	01101087	MPRX® FLEXISHIP® 0.6/1kV 4x10	4	10	Circular	15.3	15.5	17.5	459	50	No
10164507	01248967	MPRX® FLEXISHIP® 0.6/1kV 4G10	4	10	Circular	15.3	15.5	17.5	460	50	Yes
10164513	01101088	MPRX® FLEXISHIP® 0.6/1kV 4x16	4	16	Circular	18.2	18.5	21.5	687	67	No
10164512	-	MPRX® FLEXISHIP® 0.6/1kV 4G16	4	16	Circular	18.2	18.5	21.5	687	67	Yes
10164517	01101089	MPRX® FLEXISHIP® 0.6/1kV 4x25	4	25	Circular	23.3	22.5	25.5	1121	89	No
10212713	-	MPRX® FLEXISHIP® 0.6/1kV 4x35	4	35	Circular	25.9	25.0	28.0	1559	110	No
10200726	-	MPRX® FLEXISHIP® 0.6/1kV 4x50	4	50	Circular	30.4	29.0	32.5	2179	137	No
	-	MPRX® FLEXISHIP® 0.6/1kV 4x50 sector-shaped	4	50	Sector-shaped	28.7	26.5	29.5	2041	137	No



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Gases corrosivity
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Smoke density
IEC 61034



Operating temp.
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Max. conductor
temp. in service
90 °C

Nexans ref.	Country ref.	Name	Nb . of co res	Cross section [mm²]	Conductor shape	Nom. outer diam. [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx . weight [kg/km]	Perm. current rating open air [A]	Green/ Yellow core
10203634	-	MPRX® FLEXISHIP® 0.6/1kV 4x70	4	70	Circular	36.7	34.1	39.3	3083	169	No
	-	MPRX® FLEXISHIP® 0.6/1kV 4x70 sector-shaped	4	70	Sector-shaped	33.7	31.5	34.0	2791	169	No
10281444	-	MPRX® FLEXISHIP® 0.6/1kV 4x120	4	120	Circular	46.0	43.0	49.0	5174	237	No
	-	MPRX® FLEXISHIP® 0,6/1kV 5x4	5	4	Circular	13.2	12.5	15.5	271	28	No
	-	MPRX® FLEXISHIP® 0.6/1kV 5G4	5	4	Circular	13.2	12.5	15.5	271	28	Yes
10280404	-	MPRX® FLEXISHIP® 0,6/1kV 5G6	5	6	Circular	14.7	14.0	17.0	373	36	Yes
	-	MPRX® FLEXISHIP® 0.6/1kV 5x10	5	10	Circular	16.9	16.5	20.5	571	50	No
10279816	-	MPRX® FLEXISHIP® 0,6/1kV 5G10	5	10	Circular	16.9	16.5	20.5	571	50	Yes
	-	MPRX® FLEXISHIP® 0.6/1kV 5x16	5	16	Circular	20.0	20.5	24.5	859	67	No
10164514	-	MPRX® FLEXISHIP® 0.6/1kV 5G16	5	16	Circular	20.0	20.5	24.5	859	67	Yes
	-	MPRX® FLEXISHIP® 0.6/1kV 5x25	5	25	Circular	25.9	24.1	26.5	1342	89	No
	-	MPRX® FLEXISHIP® 0.6/1kV 5x35	5	35	Circular	29.9	27.8	30.5	1866	110	No
	-	MPRX® FLEXISHIP® 0,6/1kV 5x50	5	50	Circular	33.8	30.0	37.7	2614	137	No



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Flame retardant
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Gases toxicity
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Smoke density
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Operating temp.
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Max. conductor
temp. in service
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MPRX® /MPRX® FLEXISHIP® 0.6/1(1.2) kV

Contact

Nexans - Special cables - Marine
contact.fr@nexans.com

Nexans ref.	Country ref.	Name	Nb . of co res	Cross section [mm²]	Conductor shape	Nom. outer diam. [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx . weight [kg/km]	Perm. current rating open air [A]	Green/ Yellow core
10281618	-	MPRX® FLEXISHIP® 0.6/1kV 5G50	5	50	Circular	33.8	30.0	37.7	2614	137	Yes
	-	MPRX® FLEXISHIP® 0,6/1kV 5x70	5	70	Circular	40.9	38.0	43.2	3731	169	No
10281619	-	MPRX® FLEXISHIP® 0.6/1kV 5G70	5	70	Circular	40.9	38.0	43.2	3731	169	Yes



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All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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