

SINGLE CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT POWER CABLES (0.6/1kV) N2XH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper
Fire barrier: mica glass tape (over conductor)
Insulation: XLPE
Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/HFSL

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
				DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	Ω/km	Ω/km	mH/km
1x1.5 RE	0.7	1.4	6.2	12.1	15.4	0.458
1x1.5 RM	0.7	1.4	6.4	12.1	15.4	0.458
1x2.5 RE	0.7	1.4	6.6	7.41	9.45	0.439
1x2.5 RM	0.7	1.4	6.8	7.41	9.45	0.439
1x4 RE	0.7	1.4	7	4.61	5.88	0.420
1x4 RM	0.7	1.4	7.3	4.61	5.88	0.420
1x6 RE	0.7	1.4	7.5	3.08	3.93	0.394
1x6 RM	0.7	1.4	8	3.08	3.93	0.394
1x10 RE	0.7	1.4	8.3	1.83	2.33	0.366
1x10 RM	0.7	1.4	8.8	1.83	2.33	0.366
1x16 RM	0.7	1.4	10	1.15	1.47	0.341
1x25 RM	0.9	1.4	12	0.727	0.923	0.325
1x35 RM	0.9	1.4	13	0.524	0.668	0.311
1x50 RM	1	1.4	14.5	0.387	0.494	0.302
1x70 RM	1.1	1.5	16.5	0.268	0.342	0.291
1x95 RM	1.1	1.5	18.5	0.193	0.247	0.284
1x120 RM	1.2	1.6	20.5	0.153	0.196	0.279
1x150 RM	1.4	1.7	22.5	0.124	0.160	0.279
1x185 RM	1.6	1.8	25.2	0.0991	0.128	0.278
1x240 RM	1.7	1.9	28	0.0754	0.0990	0.273
1x300 RM	1.8	1.9	30.7	0.0601	0.0802	0.269
1x400 RM	2	2.1	34	0.0470	0.0627	0.262
1x500 RM	2.2	2.2	38.5	0.0366	0.0488	0.255
1x630 RM	2.4	2.3	43	0.0283	0.0377	0.246
1x800 RM	2.6	2.5	47.5	0.0221	0.0294	0.234
1x1000 RM	2.8	2.7	53	0.0176	0.0234	0.219

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

2 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT POWER CABLES (0.6/1kV) N2XH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper
 Fire barrier: mica glass tape (over conductor)
 Insulation: XLPE
 Filler: halogen free and low smoke
 Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
				DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	Ω/km	Ω/km	mH/km
2x1.5 RE	0.7	1.8	12.5	12.1	15.4	0.329
2x1.5 RM	0.7	1.8	13	12.1	15.4	0.329
2x2.5 RE	0.7	1.8	13	7.41	9.45	0.305
2x2.5 RM	0.7	1.8	13.5	7.41	9.45	0.305
2x4 RE	0.7	1.8	14	4.61	5.88	0.285
2x4 RM	0.7	1.8	14.5	4.61	5.88	0.285
2x6 RE	0.7	1.8	15	3.08	3.93	0.271
2x6 RM	0.7	1.8	16	3.08	3.93	0.271
2x10 RE	0.7	1.8	16.5	1.83	2.33	0.255
2x10 RM	0.7	1.8	17.5	1.83	2.33	0.255
2x16 RM	0.7	1.8	19.5	1.15	1.47	0.243
2x25 RM	0.9	1.8	23.5	0.727	0.927	0.242
2x35 RM	0.9	1.8	26	0.524	0.669	0.234
2x50 RM	1	1.9	29	0.387	0.494	0.232
2x70 RM	1.1	2	33.5	0.268	0.342	0.229
2x95 RM	1.1	2.2	38	0.193	0.247	0.224
2x120 RM	1.2	2.3	41.5	0.153	0.196	0.223
2x150 RM	1.4	2.4	46	0.124	0.160	0.224
2x185 RM	1.6	2.6	51	0.0991	0.128	0.225
2x240 RM	1.7	2.8	57.5	0.0754	0.0988	0.222
2x300 RM	1.8	3	63	0.0601	0.0787	0.218

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

3 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT POWER CABLES (0.6/1kV) N2XH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper
 Fire barrier: mica glass tape (over conductor)
 Insulation: XLPE
 Filler: halogen free and low smoke
 Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
				DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	Ω/km	Ω/km	mH/km
3x1.5 RE	0.7	1.8	13	12.1	15.4	0.329
3x1.5 RM	0.7	1.8	13.5	12.1	15.4	0.329
3x2.5 RE	0.7	1.8	13.5	7.41	9.45	0.305
3x2.5 RM	0.7	1.8	14	7.41	9.45	0.305
3x4 RE	0.7	1.8	15	4.61	5.88	0.285
3x4 RM	0.7	1.8	15.5	4.61	5.88	0.285
3x6 RE	0.7	1.8	16	3.08	3.93	0.271
3x6 RM	0.7	1.8	16.5	3.08	3.93	0.271
3x10 RE	0.7	1.8	17.5	1.83	2.33	0.255
3x10 RM	0.7	1.8	18.5	1.83	2.33	0.255
3x16 RM	0.7	1.8	21	1.15	1.47	0.243
3x25 RM	0.9	1.8	25	0.727	0.927	0.242
3x35 RM	0.9	1.8	27.5	0.524	0.669	0.234
3x50 SM	1	1.8	24	0.387	0.494	0.232
3x70 SM	1.1	1.9	28.5	0.268	0.342	0.229
3x95 SM	1.1	2	32	0.193	0.247	0.224
3x120 SM	1.2	2.1	36	0.153	0.196	0.223
3x150 SM	1.4	2.2	40	0.124	0.160	0.224
3x185 SM	1.6	2.4	45	0.0991	0.128	0.225
3x240 SM	1.7	2.6	50.5	0.0754	0.0988	0.222
3x300 SM	1.8	2.8	56	0.0601	0.0787	0.218

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

3 1/2 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT POWER CABLES (0.6/1kV) N2XH (with mica glass tape)



CONSTRUCTION:

Conductor: stranded copper
 Fire barrier: mica glass tape (over conductor)
 Insulation: XLPE
 Filler: halogen free and low smoke (except sector shaped cables)
 Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
				DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	Ω/km	Ω/km	mH/km
3x25+16 RM	0.9/0.7	1.8	26	0.727/1.15	0.927/1.47	0.258
3x35+16 RM	0.9/0.7	1.9	28.5	0.524/1.15	0.669/1.47	0.247
3x50+25 SM/RM	1/0.9	1.8	27	0.387/0.727	0.494/0.927	0.248
3x70+35 SM/RM	1.1/0.9	1.9	31	0.268/0.524	0.342/0.669	0.243
3x95+50 SM	1.1/1	2.1	35	0.193/0.387	0.247/0.494	0.239
3x120+70 SM	1.2/1.1	2.2	38.5	0.153/0.268	0.196/0.342	0.239
3x150+70 SM	1.4/1.1	2.4	43.5	0.124/0.268	0.160/0.342	0.237
3x185+95 SM	1.6/1.1	2.5	46.5	0.0991/0.193	0.128/0.247	0.239
3x240+120 SM	1.7/1.2	2.6	52	0.0754/0.153	0.0985/0.196	0.236
3x300+150 SM	1.8/1.4	2.9	59	0.0601/0.124	0.0802/0.160	0.232

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

4 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT POWER CABLES (0.6/1kV) N2XH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper
 Fire barrier: mica glass tape (over conductor)
 Insulation: XLPE
 Filler: halogen free and low smoke (except sector shaped cables)
 Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
				DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	Ω/km	Ω/km	mH/km
4x1.5 RE	0.7	1.8	14	12.1	15.4	0.352
4x1.5 RM	0.7	1.8	14.5	12.1	15.4	0.352
4x2.5 RE	0.7	1.8	14.5	7.41	9.45	0.328
4x2.5 RM	0.7	1.8	15	7.41	9.45	0.328
4x4 RE	0.7	1.8	16	4.61	5.88	0.308
4x4 RM	0.7	1.8	16.5	4.61	5.88	0.308
4x6 RE	0.7	1.8	17	3.08	3.93	0.294
4x6 RM	0.7	1.8	18	3.08	3.93	0.294
4x10 RE	0.7	1.8	19	1.83	2.33	0.278
4x10 RM	0.7	1.8	20	1.83	2.33	0.278
4x16 RM	0.7	1.8	22.5	1.15	1.47	0.266
4x25 RM	0.9	1.8	27	0.727	0.927	0.265
4x35 RM	0.9	1.9	30	0.524	0.669	0.258
4x50 SM	1	1.9	28.5	0.387	0.494	0.255
4x70 SM	1.1	2	32	0.268	0.342	0.252
4x95 SM	1.1	2.1	36	0.193	0.247	0.247
4x120 SM	1.2	2.3	41.5	0.153	0.196	0.246
4x150 SM	1.4	2.4	45	0.124	0.159	0.247
4x185 SM	1.6	2.5	48	0.0991	0.128	0.248
4x240 SM	1.7	2.8	58	0.0754	0.0984	0.245
4x300 SM	1.8	2.9	61.5	0.0601	0.0784	0.241

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

5 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT POWER CABLES (0.6/1kV) N2XH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper
 Fire barrier: mica glass tape (over conductor)
 Insulation: XLPE
 Filler: halogen free and low smoke
 Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
				DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	Ω/km	Ω/km	mH/km
5x1.5 RE	0.7	1.8	15	12.1	15.4	0.361
5x1.5 RM	0.7	1.8	15.5	12.1	15.4	0.361
5x2.5 RE	0.7	1.8	16	7.41	9.45	0.337
5x2.5 RM	0.7	1.8	16.5	7.41	9.45	0.337
5x4 RE	0.7	1.8	17	4.61	5.88	0.317
5x4 RM	0.7	1.8	18	4.61	5.88	0.317
5x6 RE	0.7	1.8	18.5	3.08	3.93	0.303
5x6 RM	0.7	1.8	19.5	3.08	3.93	0.303
5x10 RE	0.7	1.8	20.5	1.83	2.33	0.287
5x10 RM	0.7	1.8	22	1.83	2.33	0.287
5x16 RM	0.7	1.8	24.5	1.15	1.47	0.275
5x25 RM	0.9	1.9	30	0.727	0.927	0.257
5x35 RM	0.9	2	34	0.524	0.669	0.237

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

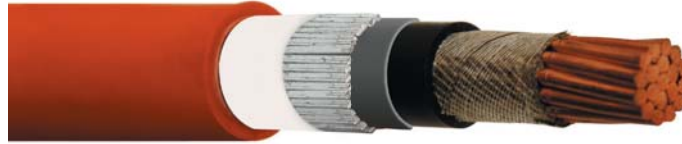
Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

SINGLE CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT WIRE ARMORED POWER CABLES (0.6/1kV) N2XHRH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper Inner sheath: halogen free and low smoke
 Fire barrier: mica glass tape (over conductor) Armor: aluminum wires
 Insulation: XLPE Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/AWA/HLFS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor wire diameter	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	mm	Ω/km	Ω/km	mH/km
1x50 RM	1	1.6	1.8	20	0.387	0.494	0.302
1x70 RM	1.1	1.6	1.8	23	0.268	0.342	0.291
1x95 RM	1.1	1.6	1.8	25	0.193	0.247	0.284
1x120 RM	1.2	1.6	1.8	26.5	0.153	0.196	0.279
1x150 RM	1.4	1.6	1.9	29	0.124	0.160	0.279
1x185 RM	1.6	1.6	2	31	0.0991	0.128	0.278
1x240 RM	1.7	2	2.1	35	0.0754	0.0990	0.273
1x300 RM	1.8	2	2.2	38	0.0601	0.0802	0.269
1x400 RM	2	2	2.3	41	0.0470	0.0627	0.262
1x500 RM	2.2	2.5	2.5	47	0.0366	0.0488	0.255
1x630 RM	2.4	2.5	2.6	51	0.0283	0.0377	0.246
1x800 RM	2.6	2.5	2.8	56	0.0221	0.0294	0.234
1x1000 RM	2.8	3.15	3	63	0.0176	0.0234	0.219

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

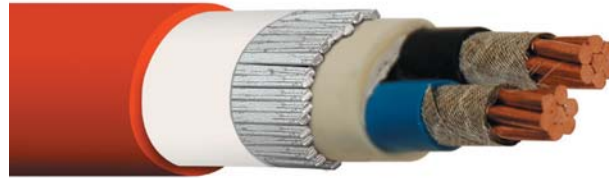
Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

2 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT WIRE ARMORED POWER CABLES (0.6/1kV) N2XHRH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper Inner sheath: halogen free and low smoke
Fire barrier: mica glass tape (over conductor) Armor: galvanized steel wires
Insulation: XLPE Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/SWA/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor wire diameter	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	Mm	mm	Ω/km	Ω/km	mH/km
2x1.5 RE	0.7	0.9	1.8	14.5	12.1	15.4	0.329
2x1.5 RM	0.7	0.9	1.8	15	12.1	15.4	0.329
2x2.5 RE	0.7	0.9	1.8	15.5	7.41	9.45	0.305
2x2.5 RM	0.7	1.25	1.8	16.5	7.41	9.45	0.305
2x4 RE	0.7	1.25	1.8	17	4.61	5.88	0.285
2x4 RM	0.7	1.25	1.8	17.5	4.61	5.88	0.285
2x6 RE	0.7	1.25	1.8	18	3.08	3.93	0.271
2x6 RM	0.7	1.25	1.8	19	3.08	3.93	0.271
2x10 RE	0.7	1.25	1.8	19.5	1.83	2.33	0.255
2x10 RM	0.7	1.25	1.8	20.5	1.83	2.33	0.255
2x16 RM	0.7	1.6	1.8	23	1.15	1.47	0.243
2x25 RM	0.9	1.6	1.8	27	0.727	0.927	0.242
2x35 RM	0.9	1.6	1.9	29.5	0.524	0.669	0.234
2x50 RM	1	2	2	33.5	0.387	0.494	0.232
2x70 RM	1.1	2	2.2	38	0.268	0.342	0.229
2x95 RM	1.1	2	2.3	42	0.193	0.247	0.224
2x120 RM	1.2	2.5	2.5	47	0.153	0.196	0.223
2x150 RM	1.4	2.5	2.6	51.5	0.124	0.160	0.224
2x185 RM	1.6	2.5	2.8	57	0.0991	0.128	0.225
2x240 RM	1.7	3.15	3	64	0.0754	0.0988	0.222
2x300 RM	1.8	3.15	3.2	70	0.0601	0.0787	0.218

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

3 CORE XLPE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT WIRE ARMORED POWER CABLES (0.6/1kV) N2XHRH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper Inner sheath: halogen free and low smoke
Fire barrier: mica glass tape (over conductor) Armor: galvanized steel wires
Insulation: XLPE Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/SWA/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor wire diameter	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	mm	Ω/km	Ω/km	mH/km
3x1.5 RE	0.7	0.9	1.8	15	12.1	15.4	0.329
3x1.5 RM	0.7	1.25	1.8	16	12.1	15.4	0.329
3x2.5 RE	0.7	1.25	1.8	16.5	7.41	9.45	0.305
3x2.5 RM	0.7	1.25	1.8	17	7.41	9.45	0.305
3x4 RE	0.7	1.25	1.8	17.5	4.61	5.88	0.285
3x4 RM	0.7	1.25	1.8	18	4.61	5.88	0.285
3x6 RE	0.7	1.25	1.8	19	3.08	3.93	0.271
3x6 RM	0.7	1.25	1.8	19.5	3.08	3.93	0.271
3x10 RE	0.7	1.25	1.8	20.5	1.83	2.33	0.255
3x10 RM	0.7	1.6	1.8	22	1.83	2.33	0.255
3x16 RM	0.7	1.6	1.8	24.5	1.15	1.47	0.243
3x25 RM	0.9	1.6	1.9	28.5	0.727	0.927	0.242
3x35 RM	0.9	1.6	2	31.5	0.524	0.669	0.234
3x50 SM	1	1.6	1.9	30	0.387	0.494	0.232
3x70 SM	1.1	2	2.1	35	0.268	0.342	0.229
3x95 SM	1.1	2	2.2	39	0.193	0.247	0.224
3x120 SM	1.2	2	2.3	43	0.153	0.196	0.223
3x150 SM	1.4	2.5	2.5	48	0.124	0.160	0.224
3x185 SM	1.6	2.5	2.7	53	0.0991	0.128	0.225
3x240 SM	1.7	2.5	2.9	59	0.0754	0.0988	0.222
3x300 SM	1.8	3.15	3.1	66	0.0601	0.0787	0.218

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

3 1/2 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT WIRE ARMORED POWER CABLES (0.6/1kV) N2XHRH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper Inner sheath: halogen free and low smoke
 Fire barrier: mica glass tape (over conductor) Armor: galvanized steel wires
 Insulation: XLPE Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/SWA/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor wire diameter	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	mm	Ω/km	Ω/km	mH/km
3x25+16 RM	0.9/0.7	1.6	1.9	29	0.727/1.15	0.927/1.47	0.258
3x35+16 RM	0.9/0.7	1.6	2	32	0.524/1.15	0.669/1.47	0.247
3x50+25 SM/RM	1/0.9	2	2.1	34	0.387/0.727	0.494/0.927	0.248
3x70+35 SM/RM	1.1/0.9	2	2.2	38	0.268/0.524	0.342/0.669	0.243
3x95+50 SM	1.1/1	2	2.3	41.5	0.193/0.387	0.247/0.494	0.239
3x120+70 SM	1.2/1.1	2.5	2.5	47	0.153/0.268	0.196/0.342	0.239
3x150+70 SM	1.4/1.1	2.5	2.6	52	0.124/0.268	0.160/0.342	0.237
3x185+95 SM	1.6/1.1	2.5	2.7	55	0.0991/0.193	0.128/0.247	0.239
3x240+120 SM	1.7/1.2	2.5	2.9	60.5	0.0754/0.153	0.0985/0.196	0.236
3x300+150 SM	1.8/1.4	3.15	3.2	59	0.0601/0.124	0.0802/0.160	0.232

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

4 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT WIRE ARMORED POWER CABLES (0.6/1kV) N2XHRH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper Inner sheath: halogen free and low smoke
Fire barrier: mica glass tape (over conductor) Armor: galvanized steel wires
Insulation: XLPE Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/SWA/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor wire diameter	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	mm	Ω/km	Ω/km	mH/km
4x1.5 RE	0.7	1.25	1.8	16.5	12.1	15.4	0.352
4x1.5 RM	0.7	1.25	1.8	17	12.1	15.4	0.352
4x2.5 RE	0.7	1.25	1.8	17.5	7.41	9.45	0.328
4x2.5 RM	0.7	1.25	1.8	18	7.41	9.45	0.328
4x4 RE	0.7	1.25	1.8	19	4.61	5.88	0.308
4x4 RM	0.7	1.25	1.8	19.5	4.61	5.88	0.308
4x6 RE	0.7	1.25	1.8	20	3.08	3.93	0.294
4x6 RM	0.7	1.25	1.8	21	3.08	3.93	0.294
4x10 RE	0.7	1.6	1.8	22.5	1.83	2.33	0.278
4x10 RM	0.7	1.6	1.8	23.5	1.83	2.33	0.278
4x16 RM	0.7	1.6	1.8	26	1.15	1.47	0.266
4x25 RM	0.9	1.6	1.9	31	0.727	0.927	0.265
4x35 RM	0.9	2	2.1	35	0.524	0.669	0.258
4x50 SM	1	2	2.1	35	0.387	0.494	0.255
4x70 SM	1.1	2	2.2	28.5	0.268	0.342	0.252
4x95 SM	1.1	2	2.3	42.5	0.193	0.247	0.247
4x120 SM	1.2	2.5	2.6	49.5	0.153	0.196	0.246
4x150 SM	1.4	2.5	2.7	53	0.124	0.159	0.247
4x185 SM	1.6	2.5	2.8	56.5	0.0991	0.128	0.248
4x240 SM	1.7	3.15	3.2	68.5	0.0754	0.0984	0.245
4x300 SM	1.8	3.15	3.3	72	0.0601	0.0784	0.241

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

5 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT WIRE ARMORED POWER CABLES (0.6/1kV) N2XHRH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper Inner sheath: halogen free and low smoke
Fire barrier: mica glass tape (over conductor) Armor: galvanized steel wires
Insulation: XLPE Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/SWA/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor wire diameter	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	mm	Ω/km	Ω/km	mH/km
5x1.5 RE	0.7	1.25	1.8	18	12.1	15.4	0.361
5x1.5 RM	0.7	1.25	1.8	18.5	12.1	15.4	0.361
5x2.5 RE	0.7	1.25	1.8	19	7.41	9.45	0.337
5x2.5 RM	0.7	1.25	1.8	19.5	7.41	9.45	0.337
5x4 RE	0.7	1.25	1.8	20	4.61	5.88	0.317
5x4 RM	0.7	1.25	1.8	21	4.61	5.88	0.317
5x6 RE	0.7	1.6	1.8	22	3.08	3.93	0.303
5x6 RM	0.7	1.6	1.8	23	3.08	3.93	0.303
5x10 RE	0.7	1.6	1.8	24	1.83	2.33	0.287
5x10 RM	0.7	1.6	1.8	25.5	1.83	2.33	0.287
5x16 RM	0.7	1.6	1.9	28	1.15	1.47	0.275
5x25 RM	0.9	2	2.1	35	0.727	0.927	0.257
5x35 RM	0.9	2	2.2	38	0.524	0.669	0.237

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

SINGLE CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT TAPE ARMORED POWER CABLES (0.6/1kV) N2XHBH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper Inner sheath: halogen free and low smoke
Fire barrier: mica glass tape (over conductor) Armor: Aluminum double tape
Insulation: XLPE Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/ATA/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor tape thickness	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	mm	Ω/km	Ω/km	mH/km
1x50 RM	1	0.5	1.8	19.5	0.387	0.494	0.302
1x70 RM	1.1	0.5	1.8	21.5	0.268	0.342	0.291
1x95 RM	1.1	0.5	1.8	23.5	0.193	0.247	0.284
1x120 RM	1.2	0.5	1.8	25	0.153	0.196	0.279
1x150 RM	1.4	0.5	1.8	27	0.124	0.160	0.279
1x185 RM	1.6	0.5	1.9	30	0.0991	0.128	0.278
1x240 RM	1.7	0.5	2	33	0.0754	0.0990	0.273
1x300 RM	1.8	0.5	2.1	35.5	0.0601	0.0802	0.269
1x400 RM	2	0.5	2.2	39	0.0470	0.0627	0.262
1x500 RM	2.2	0.5	2.4	43.5	0.0366	0.0488	0.255
1x630 RM	2.4	0.5	2.5	48	0.0283	0.0377	0.246
1x800 RM	2.6	0.5	2.7	53	0.0221	0.0294	0.234
1x1000 RM	2.8	0.5	2.8	58	0.0176	0.0234	0.219

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

2 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT TAPE ARMORED POWER CABLES (0.6/1kV) N2XHBH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper Inner sheath: halogen free and low smoke
 Fire barrier: mica glass tape (over conductor) Armor: galvanized steel double tape
 Insulation: XLPE Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/STA/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor tape thickness	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	mm	Ω/km	Ω/km	mH/km
2x1.5 RE	0.7	0.2	1.8	13.5	12.1	15.4	0.329
2x1.5 RM	0.7	0.2	1.8	14	12.1	15.4	0.329
2x2.5 RE	0.7	0.2	1.8	14.5	7.41	9.45	0.305
2x2.5 RM	0.7	0.2	1.8	15	7.41	9.45	0.305
2x4 RE	0.7	0.2	1.8	15.5	4.61	5.88	0.285
2x4 RM	0.7	0.2	1.8	16	4.61	5.88	0.285
2x6 RE	0.7	0.2	1.8	16	3.08	3.93	0.271
2x6 RM	0.7	0.2	1.8	17	3.08	3.93	0.271
2x10 RE	0.7	0.2	1.8	18	1.83	2.33	0.255
2x10 RM	0.7	0.2	1.8	19	1.83	2.33	0.255
2x16 RM	0.7	0.2	1.8	21	1.15	1.47	0.243
2x25 RM	0.9	0.2	1.8	24.5	0.727	0.927	0.242
2x35 RM	0.9	0.2	1.8	27	0.524	0.669	0.234
2x50 RM	1	0.2	1.9	30	0.387	0.494	0.232
2x70 RM	1.1	0.2	2.1	34.5	0.268	0.342	0.229
2x95 RM	1.1	0.5	2.2	40	0.193	0.247	0.224
2x120 RM	1.2	0.5	2.4	44	0.153	0.196	0.223
2x150 RM	1.4	0.5	2.5	48.5	0.124	0.160	0.224
2x185 RM	1.6	0.5	2.7	53.5	0.0991	0.128	0.225
2x240 RM	1.7	0.5	2.9	59.5	0.0754	0.0988	0.222
2x300 RM	1.8	0.5	3.1	65.5	0.0601	0.0787	0.218

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

3 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT TAPE ARMORED POWER CABLES (0.6/1kV) N2XHBH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper Inner sheath: halogen free and low smoke
Fire barrier: mica glass tape (over conductor) Armor: galvanized steel double tape
Insulation: XLPE Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/STA/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor tape thickness	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	mm	Ω/km	Ω/km	mH/km
3x1.5 RE	0.7	0.2	1.8	14	12.1	15.4	0.329
3x1.5 RM	0.7	0.2	1.8	14.5	12.1	15.4	0.329
3x2.5 RE	0.7	0.2	1.8	15	7.41	9.45	0.305
3x2.5 RM	0.7	0.2	1.8	15.5	7.41	9.45	0.305
3x4 RE	0.7	0.2	1.8	16	4.61	5.88	0.285
3x4 RM	0.7	0.2	1.8	16.5	4.61	5.88	0.285
3x6 RE	0.7	0.2	1.8	17	3.08	3.93	0.271
3x6 RM	0.7	0.2	1.8	18	3.08	3.93	0.271
3x10 RE	0.7	0.2	1.8	19	1.83	2.33	0.255
3x10 RM	0.7	0.2	1.8	20	1.83	2.33	0.255
3x16 RM	0.7	0.2	1.8	22	1.15	1.47	0.243
3x25 RM	0.9	0.2	1.8	26	0.727	0.927	0.242
3x35 RM	0.9	0.2	1.9	29	0.524	0.669	0.234
3x50 SM	1	0.2	1.8	27	0.387	0.494	0.232
3x70 SM	1.1	0.2	2	32	0.268	0.342	0.229
3x95 SM	1.1	0.5	2.1	37	0.193	0.247	0.224
3x120 SM	1.2	0.5	2.3	41	0.153	0.196	0.223
3x150 SM	1.4	0.5	2.4	45	0.124	0.160	0.224
3x185 SM	1.6	0.5	2.6	50	0.0991	0.128	0.225
3x240 SM	1.7	0.5	2.8	56	0.0754	0.0988	0.222
3x300 SM	1.8	0.5	2.9	61.5	0.0601	0.0787	0.218

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

3 1/2 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT TAPE ARMORED POWER CABLES (0.6/1kV) N2XHBH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper Inner sheath: halogen free and low smoke
Fire barrier: mica glass tape (over conductor) Armor: galvanized steel double tape
Insulation: XLPE Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/STA/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor tape thickness	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	mm	Ω/km	Ω/km	mH/km
3x25+16 RM	0.9/0.7	0.2	1.9	29.5	0.727/1.15	0.927/1.47	0.258
3x35+16 RM	0.9/0.7	0.2	2	32.5	0.524/1.15	0.669/1.47	0.247
3x50+25 SM/RM	1/0.9	0.2	1.9	30.5	0.387/0.727	0.494/0.927	0.248
3x70+35 SM/RM	1.1/0.9	0.2	2.1	34	0.268/0.524	0.342/0.669	0.243
3x95+50 SM	1.1/1	0.5	2.2	39	0.193/0.387	0.247/0.494	0.239
3x120+70 SM	1.2/1.1	0.5	2.4	43.5	0.153/0.268	0.196/0.342	0.239
3x150+70 SM	1.4/1.1	0.5	2.5	49	0.124/0.268	0.160/0.342	0.237
3x185+95 SM	1.6/1.1	0.5	2.6	51.5	0.0991/0.193	0.128/0.247	0.239
3x240+120 SM	1.7/1.2	0.5	2.8	57.5	0.0754/0.153	0.0985/0.196	0.236
3x300+150 SM	1.8/1.4	0.5	3	64.5	0.0601/0.124	0.0802/0.160	0.232

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

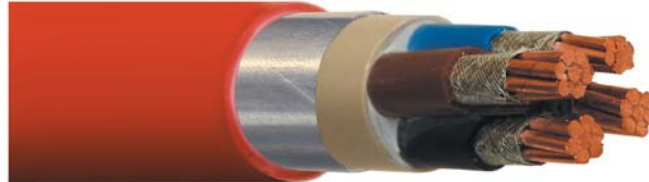
Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

4 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT TAPE ARMORED POWER CABLES (0.6/1kV) N2XHBH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper Inner sheath: halogen free and low smoke
Fire barrier: mica glass tape (over conductor) Armor: galvanized steel double tape
Insulation: XLPE Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/STA/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor tape thickness	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	mm	Ω/km	Ω/km	mH/km
4x1.5 RE	0.7	0.2	1.8	15	12.1	15.4	0.352
4x1.5 RM	0.7	0.2	1.8	15.5	12.1	15.4	0.352
4x2.5 RE	0.7	0.2	1.8	16	7.41	9.45	0.328
4x2.5 RM	0.7	0.2	1.8	16.5	7.41	9.45	0.328
4x4 RE	0.7	0.2	1.8	17	4.61	5.88	0.308
4x4 RM	0.7	0.2	1.8	17.5	4.61	5.88	0.308
4x6 RE	0.7	0.2	1.8	18	3.08	3.93	0.294
4x6 RM	0.7	0.2	1.8	19	3.08	3.93	0.294
4x10 RE	0.7	0.2	1.8	20	1.83	2.33	0.278
4x10 RM	0.7	0.2	1.8	21	1.83	2.33	0.278
4x16 RM	0.7	0.2	1.8	23.5	1.15	1.47	0.266
4x25 RM	0.9	0.2	1.9	28.5	0.727	0.927	0.265
4x35 RM	0.9	0.2	2	31.5	0.524	0.669	0.258
4x50 SM	1	0.2	2	32	0.387	0.494	0.255
4x70 SM	1.1	0.5	2.1	36.5	0.268	0.342	0.252
4x95 SM	1.1	0.5	2.3	40.5	0.193	0.247	0.247
4x120 SM	1.2	0.5	2.4	46	0.153	0.196	0.246
4x150 SM	1.4	0.5	2.6	50	0.124	0.159	0.247
4x185 SM	1.6	0.5	2.7	53.5	0.0991	0.128	0.248
4x240 SM	1.7	0.5	3	64	0.0754	0.0984	0.245
4x300 SM	1.8	0.5	3.1	67	0.0601	0.0784	0.241

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.

5 CORE HALOGEN FREE, LOW SMOKE AND FIRE RESISTANT TAPE ARMORED POWER CABLES (0.6/1kV) N2XHBH (with mica glass tape)



CONSTRUCTION:

Conductor: solid or stranded copper Inner sheath: halogen free and low smoke
 Fire barrier: mica glass tape (over conductor) Armor: galvanized steel double tape
 Insulation: XLPE Outer sheath: halogen free and low smoke

ABBREVIATION:

Cu/MGT/XLPE/STA/HFLS

STANDARD:

IEC 60502-1, IEC 60228, IEC 60332, IEC 60331

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor tape thickness	Sheath thickness	Overall diameter	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm ²	mm	mm	mm	mm	Ω/km	Ω/km	mH/km
5x1.5 RE	0.7	0.2	1.8	16	12.1	15.4	0.361
5x1.5 RM	0.7	0.2	1.8	16.5	12.1	15.4	0.361
5x2.5 RE	0.7	0.2	1.8	17	7.41	9.45	0.337
5x2.5 RM	0.7	0.2	1.8	17.5	7.41	9.45	0.337
5x4 RE	0.7	0.2	1.8	18	4.61	5.88	0.317
5x4 RM	0.7	0.2	1.8	19	4.61	5.88	0.317
5x6 RE	0.7	0.2	1.8	19.5	3.08	3.93	0.303
5x6 RM	0.7	0.2	1.8	20.5	3.08	3.93	0.303
5x10 RE	0.7	0.2	1.8	22	1.83	2.33	0.287
5x10 RM	0.7	0.2	1.8	23	1.83	2.33	0.287
5x16 RM	0.7	0.2	1.8	26	1.15	1.47	0.275
5x25 RM	0.9	0.2	2	31	0.727	0.927	0.257
5x35 RM	0.9	0.2	2.1	35	0.524	0.669	0.237

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables are fire resistant acc. to IEC 60331-23 and with 105 min. circuit integrity under fire condition temp. 750°C.