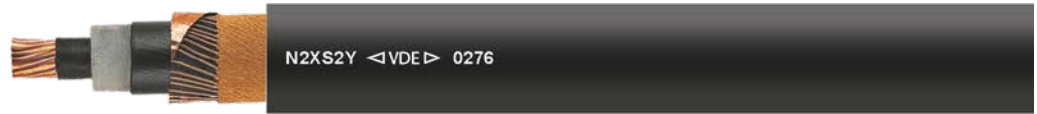


# N2XS2Y

6/10 kV, 12/20 kV, 18/30 kV, Copper conductor, XLPE insulated, PE sheath



## TECHNICAL DATA

Medium voltage cable acc. to DIN VDE 0276-620, HD 620 S2, IEC 60502

Temperature range during installation -20°C

Permissible operating temperature of the conductor +90°C

Short circuit temperature at the conductor +250°C (Short circuit duration max. 5 s)

Nominal voltage see table

Operating voltage see table

Test voltage see table

Minimum bending radius 15x Outer-Ø

## ■ CABLE STRUCTURE

- Copper conductor bare, stranded acc. to DIN VDE 0295 Class 2 / IEC 60228 Class 2
- Inner conductive layer
- Core insulation: XLPE acc. to HD 620 S2 (compound type DIX8)
- Outer conductive layer
- Conductive wrapping
- Screen: braiding of copper wires with one or two counter helix conductors
- Wrapping
- Outer sheath: PE acc. to HD 620 S2 (compound type DMP2)
- Sheath colour: black

## ■ PROPERTIES

- for outdoor use
- direct burial
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

## ■ APPLICATION

Suitable for indoor installation and in cable ducts, outdoors, underground and in water as well as for installation on cable trays for industries, switch-boards and power stations. The PE-outer sheath is resistant to high mechanical stress for laying the cables. The inner conducting layer between the conductor and the XLPE insulation and the firmly bonded outer conducting layer on the XLPE insulation assures a construction free of partial discharges with high operational reliability.

## ■ NOTES

- rm = round, stranded conductor
- the conductor is metrically (mm<sup>2</sup>) constructed, AWG numbers are approximated, and are for reference only
- the PE outer sheath is not flame retardant acc. to DIN EN 60332-1-2
- for maximum operational reliability, the core insulation and the outer conductive layer are simultaneously extruded and permanently welded together. For installation, a peeling tool is recommended.
- Part no. 32485, 32487, 32489, 32499, 32501, 32503: approved exclusively for direct burial

## 6/10 kV

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG, approx.	Operating voltage <sup>1)</sup> max. kV	Test voltage kV	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
32480	1 x 35 rm / 16	2	12	21	23.0 - 28.0	518.0	910.0
32481	1 x 50 rm / 16	1	12	21	24.0 - 29.0	662.0	990.0
32482	1 x 70 rm / 16	2/0	12	21	26.0 - 31.0	854.0	1205.0
32483	1 x 95 rm / 16	3/0	12	21	26.0 - 32.0	1094.0	1520.0
32484	1 x 120 rm / 16	4/0	12	21	28.0 - 34.0	1334.0	1760.0
32485	1 x 150 rm / 16	300 kcmil	12	21	29.0 - 35.0	1622.0	2020.0
32486	1 x 150 rm / 25	300 kcmil	12	21	29.0 - 35.0	1725.0	2130.0
32487	1 x 185 rm / 16	350 kcmil	12	21	31.0 - 37.0	1958.0	2360.0
32488	1 x 185 rm / 25	350 kcmil	12	21	31.0 - 37.0	2059.0	2470.0
32489	1 x 240 rm / 16	500 kcmil	12	21	33.0 - 39.0	2486.0	2960.0
32490	1 x 240 rm / 25	500 kcmil	12	21	33.0 - 39.0	2587.0	3020.0
32491	1 x 300 rm / 25	600 kcmil	12	21	36.0 - 41.0	3163.0	3630.0
32492	1 x 400 rm / 35	750 kcmil	12	21	40.0 - 45.0	4234.0	4560.0
32493	1 x 500 rm / 35	1000 kcmil	12	21	43.0 - 48.0	5194.0	5580.0

# N2XS2Y



## 6/10 kV, 12/20 kV, 18/30 kV, Copper conductor, XLPE insulated, PE sheath

### 12/20 kV

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG, approx.	Operating voltage <sup>1)</sup> max. kV	Test voltage kV	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
32494	1 x 35 rm / 16	2	24	42	27.0 - 32.0	518.0	960.0
32495	1 x 50 rm / 16	1	24	42	28.0 - 33.0	662.0	1160.0
32496	1 x 70 rm / 16	2/0	24	42	30.0 - 35.0	854.0	1410.0
32497	1 x 95 rm / 16	3/0	24	42	31.0 - 36.0	1094.0	1670.0
32498	1 x 120 rm / 16	4/0	24	42	33.0 - 38.0	1334.0	1960.0
32499	1 x 150 rm / 16	300 kcmil	24	42	34.0 - 39.0	1622.0	2220.0
32500	1 x 150 rm / 25	300 kcmil	24	42	34.0 - 39.0	1723.0	2310.0
32501	1 x 185 rm / 16	350 kcmil	24	42	36.0 - 41.0	1958.0	2620.0
32502	1 x 185 rm / 25	350 kcmil	24	42	36.0 - 41.0	2059.0	2670.0
32503	1 x 240 rm / 16	500 kcmil	24	42	39.0 - 44.0	2486.0	3160.0
32504	1 x 240 rm / 25	500 kcmil	24	42	39.0 - 44.0	2587.0	3270.0
32505	1 x 300 rm / 25	600 kcmil	24	42	41.0 - 46.0	3163.0	3880.0
32506	1 x 400 rm / 35	750 kcmil	24	42	44.0 - 49.0	4234.0	4820.0
32507	1 x 500 rm / 35	1000 kcmil	24	42	47.0 - 52.0	5194.0	5860.0
11018772	1 x 800 rm / 35	1500 kcmil	24	42	55.0 - 60.0	8074.0	9000.0

### 18/30 kV

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG, approx.	Operating voltage <sup>1)</sup> max. kV	Test voltage kV	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
32508	1 x 50 rm / 16	1	36	63	32.0 - 38.0	662.0	1410.0
32509	1 x 70 rm / 16	2/0	36	63	34.0 - 40.0	854.0	1660.0
32510	1 x 95 rm / 16	3/0	36	63	35.0 - 41.0	1094.0	1970.0
32511	1 x 120 rm / 16	4/0	36	63	37.0 - 43.0	1334.0	2220.0
32512	1 x 150 rm / 25	300 kcmil	36	63	38.0 - 44.0	1723.0	2650.0
32513	1 x 185 rm / 25	350 kcmil	36	63	40.0 - 46.0	2059.0	2980.0
32514	1 x 240 rm / 25	500 kcmil	36	63	42.0 - 48.0	2587.0	3570.0
74587	1 x 240 rm / 70	500 kcmil	36	63	42.0 - 48.0	3084.0	3720.0
32515	1 x 300 rm / 25	600 kcmil	36	63	45.0 - 51.0	3163.0	4220.0
32516	1 x 400 rm / 35	750 kcmil	36	63	48.0 - 54.0	4234.0	5170.0
32517	1 x 500 rm / 35	1000 kcmil	36	63	51.0 - 57.0	5194.0	6260.0

1) max. permissible operating voltage three-phase alternating current (AC) conductor/conductor