

N2XSEYBY

Conductor	Stranded (class 2) and compacted Plain annealed copper wires
Insulation	XLPE (cross-linked Polyethylene)
Core Screen	Consist of semiconductor layers and metallic screen
Conductor Screen	Semiconductor compound applied on conductor
Insulation Screen	Semiconductor compound applied on insulation
Additional Insulation Screen	A semiconductor tape wrapped on above layer
Core Metallic Screen	Copper tape wrapped with overlap on each core
Inner Covering (Bedding)	Extruded PVC
Armour	Galvanized Steel Tapes
Over-Sheath	Extruded PVC



3.6/6 kV (IEC 60502 - 2)

Nominal cross section area of conductor	Conductor Diameter	Insulation thickness	Diameter Under Armour	Armour Tape Thickness	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	mm	Kg/Km	meter
3x25rm/16	5.8	2.5	33.4	0.5	2.2	39.8	2811	500
3x35rm/16	7.0	2.5	37.4	0.5	2.3	44.0	3436	500
3x50rm/16	8.2	2.5	40.0	0.5	2.4	46.8	4084	500
3x70rm/16	9.9	2.5	43.9	0.5	2.5	50.9	5000	500
3x95rm/16	11.5	2.5	47.5	0.5	2.7	54.9	6076	500
3x120rm/16	13.0	2.5	50.7	0.5	2.8	58.3	7087	500
3x150rm/25	14.5	2.5	54.2	0.5	2.9	62.0	8275	500
3x185rm/25	16.1	2.5	58.7	0.5	3.1	66.9	9797	500
3x240rm/25	18.5	2.6	64.4	0.5	3.2	72.8	11963	250
3x300rm/25	20.6	2.8	70.9	0.5	3.5	79.9	14540	250

N2XSEYBY

6/10 kV (IEC 60502 - 2)

Nominal cross section area of conductor	Conductor Diameter	Insulation thickness	Diameter Under Armour	Armour Tape Thickness	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	mm	Kg/Km	meter
3x25rm/16	5.8	3.4	38.7	0.5	2.4	45.5	3354	500
3x35rm/16	7.0	3.4	41.3	0.5	2.5	48.3	3883	500
3x50rm/16	8.2	3.4	44.1	0.5	2.6	51.3	4580	500
3x70rm/16	9.9	3.4	47.9	0.5	2.7	55.3	5529	500
3x95rm/16	11.5	3.4	51.4	0.5	2.8	59.0	6576	500
3x120rm/16	13.0	3.4	54.8	0.5	2.9	62.6	7644	500
3x150rm/25	14.5	3.4	58.2	0.5	3.0	66.2	8860	250
3x185rm/25	16.1	3.4	62.5	0.5	3.2	70.9	10384	250
3x240rm/25	18.5	3.4	67.9	0.5	3.3	76.5	12546	250
3x300rm/25	20.6	3.4	73.5	0.5	3.5	82.5	14984	250

8.7/15 kV (IEC 60502 - 2)

Nominal cross section area of conductor	Conductor Diameter	Insulation thickness	Diameter Under Armour	Armour Tape Thickness	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	mm	Kg/Km	meter
3x25rm/16	5.8	4.5	43.7	0.5	2.6	50.9	3935	500
3x35rm/16	7.0	4.5	46.2	0.5	2.6	53.4	4467	500
3x50rm/16	8.2	4.5	49.0	0.5	2.7	56.4	5192	500
3x70rm/16	9.9	4.5	52.9	0.5	2.9	60.7	6207	500
3x95rm/16	11.5	4.5	56.3	0.5	3.0	64.3	7305	250
3x120rm/16	13.0	4.5	59.7	0.5	3.1	67.9	8394	250
3x150rm/25	14.5	4.5	63.2	0.5	3.2	71.6	9647	250
3x185rm/25	16.1	4.5	67.5	0.5	3.3	76.1	11183	250
3x240rm/25	18.5	4.5	72.8	0.5	3.5	81.8	13425	250
3x300rm/25	20.6	4.5	78.4	0.8	3.7	89.0	16844	250

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12/20 kV (IEC 60502 - 2)

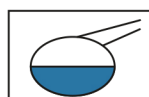
Nominal cross section area of conductor	Conductor Diameter	Insulation thickness	Diameter Under Armour	Armour Tape Thickness	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	mm	Kg/Km	meter
3x35rm/16	7.0	5.5	50.7	0.5	2.8	58.3	5079	500
3x50rm/16	8.2	5.5	53.5	0.5	2.9	61.3	5832	500
3x70rm/16	9.9	5.5	57.4	0.5	3.0	65.4	6857	500
3x95rm/16	11.5	5.5	60.8	0.5	3.2	69.2	8003	500
3x120rm/16	13.0	5.5	64.2	0.5	3.3	72.8	9140	500
3x150rm/25	14.5	5.5	67.5	0.5	3.4	76.3	10380	250
3x185rm/25	16.1	5.5	72.0	0.5	3.5	81.0	12003	250
3x240rm/25	18.5	5.5	77.3	0.8	3.8	88.1	15274	500

Additional Options (by request)

A) Based on “PVC” Sheath



Reduced smoke PVC
Tested acc to ASTM E662
&
Improved Flame Retardant
acc to IEC 60332-3



Oil & Chemical
Resistant PVC Sheath
Acc to ICEA S-82-552
(Equal to NEMA WC55)



UV Resistant PVC Sheath
Acc to UL 1581-1200

B) Based on “Halogen Free” Construction

Cable Type : N2XSEHBH (Multi-Core) &
Cu/XLPE/SC/FRLH/ATA/FRLH (Single Core)



Low Halogen Acid & Gas
acc to IEC 60754-1&2
IEC 60502 ST8



Low smoke
Acc to IEC 61034