

Overview of propagation velocity of Energy distribution cables

Cable Type	Isolation Material	Cross section mm ²	Voltage kV	Velocity v/2
StYHS2Y	PE	1 x 25 rm/10	bis 110	69,6
A2YHSY	PE	1 x 300 rm/50	110	86,7 - 87,6
A2YHSY	PE	1 x 300 rm/50	30	86,7
NHEKBA	Paper/Öil	3 x 70 rm	30	80
NHEKEBA	Paper/Öil	3 x 95 rm	30	80
NHKBA	Paper/Öil	3 x 70 rm	30	80
A2YHSY	PE	1 x 50 rm/16	20	85
A2XHS2Y	PE	1 x 120 rm/16	20	83,5-84
A2YHSY	PE	1 x 150 rm/25	20	86,1-87
A2YHSY	PE	1 x 185 rm	20	87
NHEKBA	Paper/Öil	3 x 50 rm	20	73
NHEKBA	Paper/Öil	3 x 120 rm	20	73,5
NAKLEY	Paper/Öil	1 x 120 rm	20	?
NKBA	Paper/Öil	3 x 25 sm	10	81,5 – 82,5
NKBA	Paper/Öil	3 x 35 sm	10	82,5 – 83,5
NKBA	Paper/Öil	3 x 70	10	79
NKY	Paper/Öil	3 x 50	10	58,5
NA2YSY	PE	3 x 150 / 16	10	76
NA2XS (F) 2Y	XLPE	3 x 150 rm/25	10	81
NAKBA	Paper/Öil	3 x 95 sm	10	81,5
NAKBA	Paper/Öil	3 x 185 sm	10	82
NAKBA	Paper/Öil	3 x 240 sm	10	81,5
NEKBA (Dreim.)	Paper/Öil	3 x 120 rm	10	74
NKBA	Paper/Öil	4 x 10 re	1	73
NKBA	Paper/Öil	4 x 25 sm	1	78,5
NKBA	Paper/Öil	4 x 50 sm	1	74,5 – 80
NKBA	Paper/Öil	3 x 70/35 sm	1	87 – 88
NAKLEY	Paper/Öil	3 x 95 sm	1	87,5
NAKLEY	Paper/Öil	3 x 95 se	1	81,5
NY Y	PVC	4 x 1,5 Cu	1	90
NY Y	PVC	4 x 4 Cu	1	79
NY Y	PVC	4 x 10 Cu	1	76
NY Y	PVC	4 x 16 Cu	1	74,5
NY Y	PVC	4 x 70 Cu	1	86,5
NYCY	PVC	3 x 16 / 16	1	75
NYCY	PVC	4 x 120 / 70	1	79
NAYCWY	PVC	3 x 95 / 95	1	69
NA2XY	VPE	4 x 95	1	80
NA2XY	VPE	4 x 95 + 1,5	1	Ca. 80
NA2XY	VPE	4 x 150	1	Ca. 80

Data from: „Kabelfehlerortung“, Klimpke & Güttler, VDE Verlag

Please note these are experience values and can variant from manufacturer to manufacturer. Exact values has been taken from manufacturers datasheet.