

Technical Performances

Standard	IEC 60502			
Voltage classes	6/10 (12) kV	8.7/15 (17.5) kV	12/20 (24) kV	18/30 (36) kV
Partial discharge test at ambient temperature	10kV, <10pC	15kV, <10pC	20kV, <10pC	30kV, <10pC
AC withstand voltage test	27kV 5min	39kV 5min	54kV 5min	81kV 5min
Impulse voltage withstand	±75kV each polarity 10 times	±95kV each polarity 10 times	±125kV each polarity 10 times	±170kV each polarity 10 times

Dimensions

6/10(12) kV		
Outdoor Termination	Cable Insulation OD (mm)	Cable Conductor Cross-section(mm ²)
1x1 core		
NKOT-12/1x25-50	12.0-16.0	25-50
NKOT-12/1x70-150	17.6-22.8	70-150
NKOT-12/1x185-300	24.0-31.0	185-300
NKOT-12/1x400-500	31.5-37.0	400-500
NKOT-12/1x630	38.0-41.9	630
1x3 cores		
NKOT-12/3x25-50	12.0-16.0	25-50
NKOT-12/3x70-150	17.6-22.8	70-150
NKOT-12/3x185-300	24.0-31.0	185-300
NKOT-12/3x400-500	31.5-37.0	400-500

12/20(24) kV		
Outdoor Termination	Cable Insulation OD (mm)	Cable Conductor Cross-section(mm ²)
1x1 core		
NKOT-24/1x25-50	17.5-20.3	25-50
NKOT-24/1x70-150	21.5-26.5	70-150
NKOT-24/1x185-300	27.5-33.0	185-300
NKOT-24/1x400-500	34.2-39.5	400-500
NKOT-24/1x630	40.5-43.0	630
1x3 cores		
NKOT-24/3x25-50	17.5-20.3	25-50
NKOT-24/3x70-150	21.5-26.5	70-150
NKOT-24/3x185-300	27.5-32.8	185-300
NKOT-24/3x400-500	33.5-39.5	400-500

8.7/15(17.5) kV		
Outdoor Termination	Cable Insulation OD (mm)	Cable Conductor Cross-section(mm ²)
1x1 core		
NKOT-17.5/1x25-50	16.0-19.5	25-50
NKOT-17.5/1x70-150	20.3-23.5	70-150
NKOT-17.5/1x185-300	24.0-31.0	185-300
NKOT-17.5/1x400-500	31.5-37.0	400-500
NKOT-17.5/1x630	38.0-41.9	630
1x3 cores		
NKOT-17.5/3x25-50	16.0-19.5	25-50
NKOT-17.5/3x70-150	20.3-23.5	70-150
NKOT-17.5/3x185-300	24.0-31.0	185-300
NKOT-17.5/3x400-500	31.5-37.0	400-500

18/30(36) kV		
Outdoor Termination	Cable Insulation OD (mm)	Cable Conductor Cross-section(mm ²)
1x1 core		
NKOT-36/1x50-95	25.0-29.5	50-95
NKOT-36/1x120-240	30.5-36.5	120-240
NKOT-36/1x300-400	38.0-42.5	300-400
NKOT-36/1x500-630	43.5-48.5	500-630
1x3 cores		
NKOT-36/3x50-95	25.0-29.5	50-95
NKOT-36/3x120-240	30.5-36.5	120-240
NKOT-36/3x300-400	38.0-42.5	300-400

- Cable insulation outer diameter is a key factor for selecting the correct cable accessories.
- The product selection is based on IEC standard cables.