



KOBREX SECONDARY DISTRIBUTION URD CABLE 600 V 90°C



DESCRIPTION

- Conductor: Strander compressed 1350-H16/H26 (3/4 Hard) aluminum
- Insulation: Cross Linked Polyethylene (XLPE)
- Neutral: Cross Linked Polyethylene (XLPE) with three Yellow Extruded Stripes (YES)

APPLICATIONS

- Secondary distribution and underground service at 600V, can be installed direct burial or in ducts

CHARACTERISTICS

- UL854 – FILE E517138
- ASTM B231 Standard Specification for Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B609 Standard Specification for Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes

PERFORMANCE

- Sun Light Resistant
- Single conductor are UL listed as type USE-2

TECHNICAL DATA



Maximum operating voltage according to selection:

- 600 V



Preferred max. operating temp:

- Dry and wet locations: 90°C
- In emergency: 130°C
- Short circuit: 250°C



Packaging:

- NR - Non-Returnable Wood Reels
- RM - Returnable Metal, Flat Bar Tires
- RMT - Returnable Metal, One Beam Tires



Manufacturing range:

- Aluminum: 6 AWG to 750 kcmil
- Copper: 8 AWG to 750 kcmil

Standards:

- UL 854
- ASTM B231
- ASTM B609

TRIPLEX 600V UNDERGROUND SERVICE ENTRANCE

Dimentional Data

Code Word	Phase Conductor Size	Quantity of Wires	Diameter Over Phase Conductor	Phase Insulation Thickness	Diameter Over Phase Insulation	Neutral Conductor Size	Quantity of Wires - Neutral	Neutral Insulation Thickness	Diameter Over Neutral Insulation	Approx Overall Diameter	Approx Weight
	AWG/kcmil		mil	mil	mil	AWG/kcmil		mil	mil	mil	lb/1000ft
Erskine	6	7	178	60	298	6	7	60	298	645	134
Vassar	4	7	225	60	345	4	7	60	345	745	192
Stephens	2	7	283	60	403	4	7	60	403	870	250
Ramapo	2	7	283	60	403	2	7	60	403	870	277
Brenau	1/0	19	353	80	513	2	7	60	403	1106	388
Bergen	1/0	19	353	80	513	1/0	19	80	513	1106	442
Converse	2/0	19	396	80	556	1	19	80	473	1200	478
Hunter	2/0	19	443	80	603	2/0	19	80	555	1200	535
Hollins	3/0	19	443	80	603	3/0	19	80	512	1303	582
Rockland	3/0	19	500	80	660	2/0	19	80	603	1303	652
Sweetbriar	4/0	19	500	80	660	4/0	19	80	660	1422	710
Monmouth	4/0	19	541	80	701	3/0	19	80	603	1422	795
Pratt	250	37	642	80	802	4/0	19	80	660	1582	855
Wesleyan	350	37	642	95	832	4/0	19	80	660	1795	1106
Holyoke	500	37	790	95	980	300	37	95	785	2115	1545
Rider	500	37	790	95	980	350	37	95	832	2115	1594



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Electrical Data				
Code Word	Phase Conductor Size	DC Resistance @25°C	Ampacity in Duct 90°C	Ampacity Directly Buried 90°C
	AWG/kcmil	Ω/1000ft	A	A
Erskine	6	0.666	70	95
Vassar	4	0.418	90	125
Stephens	2	0.263	120	165
Ramapo	2	0.263	120	165
Brenau	1/0	0.165	160	215
Bergen	1/0	0.165	160	215
Converse	2/0	0.131	180	245
Hunter	2/0	0.131	180	245
Hollins	3/0	0.104	205	280
Rockland	3/0	0.104	205	280
Sweetbriar	4/0	0.083	240	315
Monmouth	4/0	0.083	240	315
Pratt	250	0.069	265	345
Wesleyan	350	0.05	320	415
Holyoke	500	0.035	395	495
Rider	500	0.035	395	495

QUADRUPLIX 600V UNDERGROUND SERVICE ENTRANCE

Dimentional Data											
Code Word	Phase Conductor Size	Quantity of Wires	Diameter Over Phase Conductor	Phase Insulation Thickness	Diameter Over Phase Insulation	Neutral Conductor Size	Quantity of Wires - Neutral	Neutral Insulation Thickness	Diameter Over Neutral Insulation	Approx Overall Diameter	Approx Weight
	AWG/kcmil		mil	mil	mil	AWG/kcmil		mil	mil	mil	lb/1000ft
Tulsa	4	7	225	60	345	4	7	60	345	834	255
Dyke	2	7	283	60	403	4	7	60	345	974	343
Wittenburg	2	7	283	60	403	2	7	60	403	974	379
Notre Dame	1/0	19	353	80	513	2	7	60	403	1235	535
Purdue	1/0	19	353	80	513	1/0	19	80	513	1235	590
Syracuse	2/0	19	396	80	556	1	19	80	473	1340	657
Lafayette	2/0	19	396	80	556	2/0	19	80	555	1340	714
Swarthmore	3/0	19	443	80	603	1/0	19	80	513	1455	798
Davidson	3/0	19	443	80	603	3/0	19	80	603	1455	869
Wake Forest	4/0	19	500	80	660	2/0	19	80	555	1590	972
Earlham	4/0	19	500	80	660	4/0	19	80	660	1590	1063
Slippery Rock	350	37	541	95	731	4/0	19	80	660	2005	1531
Morehouse	500	37	790	95	980	300	37	95	785	2364	2110
Westminster	750	37	969	110	1189	350	37	95	832	2869	3015

QUADRUPLIX 600V UNDERGROUND SERVICE ENTRANCE

Electrical Data				
Code Word	Phase Conductor Size	DC Resistance @25°C	Ampacity in Duct 90°C	Ampacity Directly Buried 90°C
	AWG/kcmil	Ω/1000ft	A	A
Tulsa	4	0.418	85	120
Dyke	2	0.263	115	155
Wittenburg	2	0.263	115	155
Notre Dame	1/0	0.165	150	200
Purdue	1/0	0.165	150	200
Syracuse	2/0	0.131	170	225
Lafayette	2/0	0.131	170	225
Swarthmore	3/0	0.104	195	250
Davidson	3/0	0.104	195	250
Wake Forest	4/0	0.083	225	290
Earlham	4/0	0.083	225	290
Slippery Rock	350	0.05	305	385
Morehouse	500	0.035	370	465
Westminster	750	0.023	470	580

Note: Consult Kobrex Engineering Department for more information.