

600V XLPE-PVC電纜阻抗參考表 (CNS 2655)

	導體尺寸	導體電阻 R	電抗 X_L	阻抗 $R \cos\theta + j X_L \sin\theta$
	mm ²	Ω/km 90°C	Ω/km	Ω/km 90°C
單 芯 電 纜 三 條 三 角 排 列	2	11.8457	0.1385	$11.8457 \cos\theta + j0.1385\sin\theta$
	3.5	6.6664	0.1279	$6.6664 \cos\theta + j0.1279\sin\theta$
	5.5	4.2691	0.1195	$4.2691 \cos\theta + j0.1195\sin\theta$
	8	2.9453	0.1212	$2.9453 \cos\theta + j0.1212\sin\theta$
	14	1.6575	0.1208	$1.6575 \cos\theta + j0.1208\sin\theta$
	22	1.0506	0.1131	$1.0506 \cos\theta + j0.1131\sin\theta$
	30	0.7943	0.1119	$0.7943 \cos\theta + j0.1119\sin\theta$
	38	0.6209	0.1084	$0.6209 \cos\theta + j0.1084\sin\theta$
	50	0.4820	0.1083	$0.482 \cos\theta + j0.1083\sin\theta$
	60	0.3863	0.1051	$0.3863 \cos\theta + j0.1051\sin\theta$
	80	0.2920	0.1017	$0.292 \cos\theta + j0.1017\sin\theta$
	100	0.2297	0.0987	$0.2297 \cos\theta + j0.0987\sin\theta$
	125	0.1842	0.0982	$0.1842 \cos\theta + j0.0982\sin\theta$
	150	0.1512	0.0998	$0.1512 \cos\theta + j0.0998\sin\theta$
	200	0.1186	0.0966	$0.1186 \cos\theta + j0.0966\sin\theta$
	250	0.0933	0.0944	$0.0933 \cos\theta + j0.0944\sin\theta$
	325	0.0737	0.0938	$0.0737 \cos\theta + j0.0938\sin\theta$
兩 芯 電 纜 一 條 佈 設	2	12.0105	0.1212	$12.0105 \cos\theta + j0.1212\sin\theta$
	3.5	6.7575	0.1115	$6.7575 \cos\theta + j0.1115\sin\theta$
	5.5	4.3350	0.1050	$4.335 \cos\theta + j0.105\sin\theta$
	8	3.0090	0.1096	$3.009 \cos\theta + j0.1096\sin\theta$
	14	1.6958	0.1039	$1.6958 \cos\theta + j0.1039\sin\theta$
	22	1.0710	0.0984	$1.071 \cos\theta + j0.0984\sin\theta$
	30	0.8096	0.0993	$0.8096 \cos\theta + j0.0993\sin\theta$
	38	0.6337	0.0966	$0.6337 \cos\theta + j0.0966\sin\theta$
	50	0.4922	0.0937	$0.4922 \cos\theta + j0.0937\sin\theta$
	60	0.3940	0.0916	$0.394 \cos\theta + j0.0916\sin\theta$
	80	0.2984	0.0893	$0.2984 \cos\theta + j0.0893\sin\theta$
	100	0.2348	0.0874	$0.2348 \cos\theta + j0.0874\sin\theta$
	125	0.1880	0.0882	$0.188 \cos\theta + j0.0882\sin\theta$
	150	0.1538	0.0868	$0.1538 \cos\theta + j0.0868\sin\theta$
	200	0.1209	0.0849	$0.1209 \cos\theta + j0.0849\sin\theta$
	250	0.0952	0.0836	$0.0952 \cos\theta + j0.0836\sin\theta$
	325	0.0751	0.0845	$0.0751 \cos\theta + j0.0845\sin\theta$

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	導體尺寸	導體電阻 R	電抗 X_L	阻抗 $R \cos\theta + j X_L \sin\theta$
三 芯 電 纜 一 條 佈 設	2	12.0105	0.1212	$12.0105 \cos\theta + j0.1212\sin\theta$
	3.5	6.7575	0.1115	$6.7575 \cos\theta + j0.1115\sin\theta$
	5.5	4.3350	0.1050	$4.335 \cos\theta + j0.105\sin\theta$
	8	3.0090	0.1096	$3.009 \cos\theta + j0.1096\sin\theta$
	14	1.6958	0.1039	$1.6958 \cos\theta + j0.1039\sin\theta$
	22	1.0710	0.0984	$1.071 \cos\theta + j0.0984\sin\theta$
	30	0.8096	0.0993	$0.8096 \cos\theta + j0.0993\sin\theta$
	38	0.6337	0.0966	$0.6337 \cos\theta + j0.0966\sin\theta$
	50	0.4922	0.0937	$0.4922 \cos\theta + j0.0937\sin\theta$
	60	0.3940	0.0916	$0.394 \cos\theta + j0.0916\sin\theta$
	80	0.2984	0.0893	$0.2984 \cos\theta + j0.0893\sin\theta$
	100	0.2348	0.0874	$0.2348 \cos\theta + j0.0874\sin\theta$
	125	0.1880	0.0882	$0.188 \cos\theta + j0.0882\sin\theta$
	150	0.1538	0.0868	$0.1538 \cos\theta + j0.0868\sin\theta$
	200	0.1209	0.0849	$0.1209 \cos\theta + j0.0849\sin\theta$
	250	0.0952	0.0836	$0.0952 \cos\theta + j0.0836\sin\theta$
	325	0.0751	0.0845	$0.0751 \cos\theta + j0.0845\sin\theta$
四 芯 電 纜 一 條 佈 設	2	12.0105	0.1300	$12.0105 \cos\theta + j0.13\sin\theta$
	3.5	6.7575	0.1202	$6.7575 \cos\theta + j0.1202\sin\theta$
	5.5	4.3350	0.1137	$4.335 \cos\theta + j0.1137\sin\theta$
	8	3.0090	0.1183	$3.009 \cos\theta + j0.1183\sin\theta$
	14	1.6958	0.1126	$1.6958 \cos\theta + j0.1126\sin\theta$
	22	1.0710	0.1071	$1.071 \cos\theta + j0.1071\sin\theta$
	30	0.8096	0.1080	$0.8096 \cos\theta + j0.108\sin\theta$
	38	0.6337	0.1053	$0.6337 \cos\theta + j0.1053\sin\theta$
	50	0.4922	0.1024	$0.4922 \cos\theta + j0.1024\sin\theta$
	60	0.3940	0.1003	$0.394 \cos\theta + j0.1003\sin\theta$
	80	0.2984	0.0981	$0.2984 \cos\theta + j0.0981\sin\theta$
	100	0.2348	0.0961	$0.2348 \cos\theta + j0.0961\sin\theta$
	125	0.1880	0.0969	$0.188 \cos\theta + j0.0969\sin\theta$
	150	0.1538	0.0955	$0.1538 \cos\theta + j0.0955\sin\theta$
	200	0.1209	0.0936	$0.1209 \cos\theta + j0.0936\sin\theta$
	250	0.0952	0.0924	$0.0952 \cos\theta + j0.0924\sin\theta$
	325	0.0751	0.0932	$0.0751 \cos\theta + j0.0932\sin\theta$