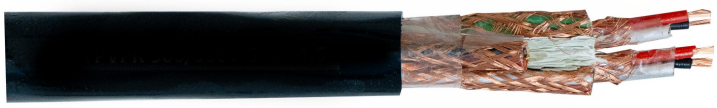
HUAPU CABLE

Computer & Instrumentation Cables



PE Insulated, Individually & Overall Braid Screened, PVC Sheathed, Flexible Computer Cable

Standards: IEC 60227, BS 5308 (reference), GB/T 9330

Technical Data

Rated voltage (U0/U): 300/500 V
Max. operating temperature: 70 °C (PE insulation)
Min. ambient temperature: −40 °C fixed laying, −15 °C non-fixed; ≥ 0 °C during installation
Min. bending radius: ≥ 6 × overall diameter
Screening: individual pair/triple braid screen + overall braid screen, coverage ≥ 85%

Application

For signal transmission and data links of electronic computers and automation instrumentation at rated AC voltages up to 300/500 V, in environments with high anti-interference (EMC) requirements. The double-layer (individual + overall) braid screening provides excellent shielding against crosstalk and external electromagnetic interference. Suitable for fixed indoor installation, cable trays, conduit, and trunking.

Construction

①Flexible stranded copper conductor (Class 5) ② PE insulation ③ Pairs/triples twisted

④ Individual braid screen + PET tape per unit ⑤ Cabled units with filler ⑥ Overall braid screen ⑦ PVC sheath

DIMENSION & WEIGHT					ELECTRICAL PROPERTIES			
Specification (No. × Elements × Size)	Conductor Diameter (approx)	Insulation Thickness (nom)	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance 20°C Max	Insulation Resistance Min.	Mutual Capacitance Max
No.×n×mm²	mm	mm	mm	kg/km	m	Ω/km	MΩ·km	pF/m
2 × 2 × 0.75	1.1	0.6	14.2	162	500	26.0	≥2500	≤75
3 × 2 × 0.75	1.1	0.6	15.0	194	500	26.0	≥2500	≤75
4 × 2 × 0.75	1.1	0.6	16.4	238	500	26.0	≥2500	≤75
5 × 2 × 0.75	1.1	0.6	19.5	318	500	26.0	≥2500	≤75
6 × 2 × 0.75	1.1	0.6	19.5	337	500	26.0	≥2500	≤75
8 × 2 × 0.75	1.1	0.6	21.7	425	300	26.0	≥2500	≤75
10 × 2 × 0.75	1.1	0.6	24.3	531	300	26.0	≥2500	≤75
12 × 2 × 0.75	1.1	0.6	25.9	614	300	26.0	≥2500	≤75
14 × 2 × 0.75	1.1	0.6	27.5	699	300	26.0	≥2500	≤75
16 × 2 × 0.75	1.1	0.6	29.1	787	300	26.0	≥2500	≤75
2 × 3 × 0.75	1.1	0.6	14.9	186	500	26.0	≥2500	≤75
3 × 3 × 0.75	1.1	0.6	15.8	227	500	26.0	≥2500	≤75
4 × 3 × 0.75	1.1	0.6	17.3	280	500	26.0	≥2500	≤75
5 × 3 × 0.75	1.1	0.6	21.1	388	500	26.0	≥2500	≤75
6 × 3 × 0.75	1.1	0.6	21.1	414	300	26.0	≥2500	≤75
8 × 3 × 0.75	1.1	0.6	22.8	507	300	26.0	≥2500	≤75
10 × 3 × 0.75	1.1	0.6	25.7	634	300	26.0	≥2500	≤75
12 × 3 × 0.75	1.1	0.6	27.3	735	300	26.0	≥2500	≤75
14 × 3 × 0.75	1.1	0.6	29.0	840	300	26.0	≥2500	≤75
16 × 3 × 0.75	1.1	0.6	31.3	968	300	26.0	≥2500	≤75
2 × 2 × 1.0	1.3	0.6	15.0	183	500	19.5	≥2500	≤80
3 × 2 × 1.0	1.3	0.6	15.9	223	500	19.5	≥2500	≤80
4 × 2 × 1.0	1.3	0.6	17.4	273	500	19.5	≥2500	≤80

DIMENSION & WEIGHT					ELECTRICAL PROPERTIES			
Specification (No. × Elements × Size)	Conductor Diameter (approx)	Insulation Thickness (nom)	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance 20°C Max	Insulation Resistance Min.	Mutual Capacitance Max
No.×n×mm²	mm	mm	mm	kg/km	m	Ω/km	MΩ·km	pF/m
5 × 2 × 1.0	1.3	0.6	21.3	380	500	19.5	≥2500	≤80
6 × 2 × 1.0	1.3	0.6	21.3	404	300	19.5	≥2500	≤80
8 × 2 × 1.0	1.3	0.6	23.0	493	300	19.5	≥2500	≤80
10 × 2 × 1.0	1.3	0.6	25.9	617	300	19.5	≥2500	≤80
12 × 2 × 1.0	1.3	0.6	27.6	715	300	19.5	≥2500	≤80
14 × 2 × 1.0	1.3	0.6	29.9	836	300	19.5	≥2500	≤80
16 × 2 × 1.0	1.3	0.6	31.6	941	300	19.5	≥2500	≤80
2 × 3 × 1.0	1.3	0.6	15.8	214	500	19.5	≥2500	≤80
3 × 3 × 1.0	1.3	0.6	16.7	264	500	19.5	≥2500	≤80
4 × 3 × 1.0	1.3	0.6	18.3	327	500	19.5	≥2500	≤80
5 × 3 × 1.0	1.3	0.6	22.4	452	300	19.5	≥2500	≤80
6 × 3 × 1.0	1.3	0.6	22.4	484	300	19.5	≥2500	≤80
8 × 3 × 1.0	1.3	0.6	24.2	597	300	19.5	≥2500	≤80
10 × 3 × 1.0	1.3	0.6	27.3	748	300	19.5	≥2500	≤80
12 × 3 × 1.0	1.3	0.6	29.1	870	300	19.5	≥2500	≤80
14 × 3 × 1.0	1.3	0.6	31.5	1016	300	19.5	≥2500	≤80
16 × 3 × 1.0	1.3	0.6	33.4	1146	300	19.5	≥2500	≤80
2 × 2 × 1.5	1.6	0.7	17.0	236	500	13.3	≥2500	≤90
3 × 2 × 1.5	1.6	0.7	18.1	290	500	13.3	≥2500	≤90
4 × 2 × 1.5	1.6	0.7	20.4	372	500	13.3	≥2500	≤90
5 × 2 × 1.5	1.6	0.7	24.3	500	300	13.3	≥2500	≤90
6 × 2 × 1.5	1.6	0.7	24.3	533	300	13.3	≥2500	≤90
8 × 2 × 1.5	1.6	0.7	26.3	654	300	13.3	≥2500	≤90
10 × 2 × 1.5	1.6	0.7	30.3	842	300	13.3	≥2500	≤90
12 × 2 × 1.5	1.6	0.7	32.3	977	300	13.3	≥2500	≤90
14 × 2 × 1.5	1.6	0.7	34.3	1115	300	13.3	≥2500	≤90
16 × 2 × 1.5	1.6	0.7	36.3	1259	300	13.3	≥2500	≤90
2 × 3 × 1.5	1.6	0.7	17.9	280	500	13.3	≥2500	≤90
3 × 3 × 1.5	1.6	0.7	19.0	349	500	13.3	≥2500	≤90
4 × 3 × 1.5	1.6	0.7	21.5	450	300	13.3	≥2500	≤90
5 × 3 × 1.5	1.6	0.7	25.6	604	300	13.3	≥2500	≤90
6 × 3 × 1.5	1.6	0.7	25.6	650	300	13.3	≥2500	≤90
8 × 3 × 1.5	1.6	0.7	27.8	805	300	13.3	≥2500	≤90
10 × 3 × 1.5	1.6	0.7	32.0	1034	300	13.3	≥2500	≤90
12 × 3 × 1.5	1.6	0.7	34.1	1204	300	13.3	≥2500	≤90
14 × 3 × 1.5	1.6	0.7	36.3	1379	300	13.3	≥2500	≤90
16 × 3 × 1.5	1.6	0.7	38.4	1559	300	13.3	≥2500	≤90

Note: Designation No. × Elements × Size — Elements = 2 (pair) or 3 (triple). Conductors are flexible stranded copper (Class 5). Dimensions and weights are approximate, for reference only. DC conductor resistance is maximum at 20 °C; insulation resistance is minimum at 20 °C; mutual capacitance is maximum at 1 kHz. Delivery length follows packaging practice — lighter cables in 1000 m, medium in 500 m wooden drums, heavier in 300 m wooden drums; other lengths and shielding/armor options available on request.