

Part No: CW287998

Description: The ENGELEC SWA armoured outdoor telephone cables are generally used when the high risk of mechanical damage area. The galvanized steel wire armoring provides excellent protection from rodents, mice. It's generally used for interconnection of telephone, data, signal, voice transmission. It also has good performance of water proof. So this armored version is generally use for outdoor installation for direct burial and suitable for wet and damp areas.



RODENT PROOF

Construction

Conductor	Annealed copper, sizes: 0.5mm, 0.63mm, 0.75mm, 0.8mm and 0.9mm to BS 6360
Insulation	Solid HDPE (high density polyethylene)
Pairing	Two insulated conductors uniformly twisted together with a lay not exceeding 100mm
Colour code	Multipair cables: See technical information
Core filler	Petroleum Jelly Compound
Binder tape	PETP transparent tape
Collective screen	AL Tape Laminated with PE-Copolymer Longitudinal Wrapped
Inner Sheath	PE (polyethylene) BS EN 50290-2-24 or PVC (polyvinyl chloride), type TM 1 to BS 6746
Armour	Galvanized Steel Wire Armour
Outer sheath	PVC or PE Sheath, type TM 1 or type 6 to BS 6746
Sheath colour	Black

Mechanical and Electrical Properties

* **Operating temperature** : -20°C up to + 70°C(fixed installation) ; -10°C to +50°C(flexed operation).

* **Minimum bending radius** : 12 x overall diameter.

Conductor Size	mm	0.5	0.63	0.75	0.8	0.9
Conductor resistance max	Ω/km	91	58	41.5	34.6	28
Insulation resistance min @ 500V DC	MΩ.km	5000	5000	5000	5000	5000
Max. average mutual capacitance @800Hz	nF/km	53	56	57	59	59
Max. Individual capacitance unbalance @800Hz: pair to pair	pF/500m	150	150	150	150	150
Impedance	@1kHz	Ω	795	660	603	500
	@100kHz	Ω	127	126	124	123.5
	@512kHz	Ω	117	120	118	117
Attenuation	@0.8kHz	dB/km	1.3	1.1	1.0	0.9
	@150kHz	dB/km	8.3	7.1	6.2	5.7
	@772kHz	dB/km	19.4	17.0	15.4	13.1
DC Dielectric strength between conductor in 3secs	V	500	500	500	500	500

Standards

RoHS Compliance :	Yes	UV Resistance :	Good, ISO 4892-3†
CE Compliant :	Yes (EU)	Weather Resistance :	Good, ISO 4892-3†
Manufactured in accordance to :	IEC60708, IEC 60331-1/2	CPR Classification	F _{CA} (EN50575:2014+A1:2016)

Dimension Parameter

Engelec Cable Part Number	No. of Pairs	Nominal Conductor Diameter	Nominal Thickness of Insulation	Nominal Thickness of bedding	Nominal Thickness of Armour	Nominal Thickness of Sheath	Nominal Dia. of Cable	Approx. Weight
		mm	mm	mm	mm	mm	mm	kg/km
CW287998D50P5	5	0.5	0.2	0.8	0.9	1.2	14.7	282
CW287998D50P10	10	0.5	0.2	0.8	1.2	1.4	16.2	356
CW287998D50P20	20	0.5	0.2	0.9	1.2	1.4	19.4	498
CW287998D50P50	50	0.5	0.2	1.0	1.6	1.6	24.8	1115
CW287998D50P100	100	0.5	0.2	1.0	2.0	1.6	30.5	1740
CW287998D63P5	5	0.63	0.25	0.8	1.2	1.4	16.2	352
CW287998D63P10	10	0.63	0.25	0.9	1.2	1.4	18.9	426
CW287998D63P20	20	0.63	0.25	1.0	1.6	1.6	22.3	598
CW287998D63P50	50	0.63	0.25	1.0	2.0	1.6	29.0	1285
CW287998D63P100	100	0.63	0.25	1.1	2.0	1.8	37.0	2450
CW287998D75P5	5	0.75	0.25	0.9	1.2	1.4	17.5	820
CW287998D75P10	10	0.75	0.25	1.0	1.6	1.4	21.5	550
CW287998D75P20	20	0.75	0.25	1.0	1.6	1.4	24.3	850
CW287998D75P50	50	0.75	0.25	1.1	2.0	1.6	32.0	1800
CW287998D75P100	100	0.75	0.25	1.2	2.0	1.8	41.0	2570
CW287998D80P2	2	0.8	0.3	0.8	0.9	1.2	10.8	220
CW287998D80P10	10	0.8	0.3	0.9	1.2	1.4	21.9	630
CW287998D80P20	20	0.8	0.3	1.0	1.6	1.4	35.2	1020
CW287998D80P50	50	0.8	0.3	1.0	1.6	1.6	34.0	1990
CW287998D80P100	100	0.8	0.3	1.1	2.0	1.8	43.0	2950
CW287998D90P5	5	0.9	0.3	0.9	1.2	1.4	18.9	484
CW287998D90P10	10	0.9	0.3	1.0	1.6	1.4	22.3	730
CW287998D90P20	20	0.9	0.3	1.0	1.6	1.6	26.3	1209
CW287998D90P50	50	0.9	0.3	1.1	2.0	1.8	36.0	2363
CW287998D90P100	100	0.9	0.3	1.2	2.0	1.8	45.9	3671

Group Binder Identify

➤ Color marking :

Unit Number	1	2	3	4	5	6	7	8	9	10
Wire A										

Pair Identify

➤ Color marking :

Pair Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Wire A																									
Wire B																									

* Information and images on this datasheet are intended for guidance only and products may vary due to technical improvements and commercial factor

Find the product by : www.engeleccable.com | email: info@engelec.cn | tel: +86 577 61672337 | quick quote: +86 13505876536

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