

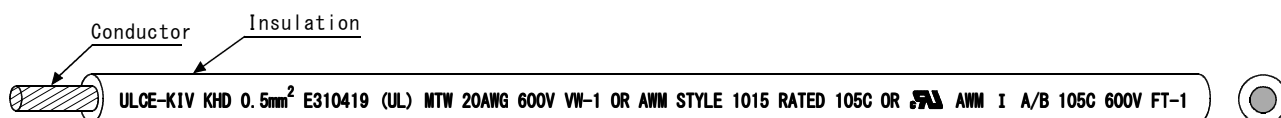
MTW H07V2-K

Global Standard Wire



Application : Appliance Wire
 Features : Compliant to HD , UL, CSA, <PS>E and <PS>E (IEC)

《ULCE-KIV》 Multi-standard Wire



【Marking Sample】

- ① MTW+AWM 1015+AWM I A/B 0.5mm² (20AWG)
 ULCE-KIV KHD 0.5mm² E310419 (UL) MTW 20AWG 600V VW-1 OR AWM STYLE 1015 RATED 105C
 OR AWM I A/B 105C 600V FT-1
- ② MTW+AWM 1015+AWM I A/B+HKIV 0.75mm² (18AWG)
 ULCE-KIV KHD 0.75mm² E310419 (UL) MTW 18AWG 600V VW-1 OR AWM STYLE 1015 RATED 105C
 OR AWM I A/B 105C 600V FT-1 HKIV <PS>E JET KHD タイネツ -F-
- ③ MTW+AWM 1015+AWM I A/B+HKIV 1.0mm² (18AWG)
 ULCE-KIV KHD 1mm² E310419 (UL) MTW 18AWG 0.950mm² 600V VW-1 OR AWM STYLE 1015 RATED
 105C OR AWM I A/B 105C 600V FT-1 HKIV <PS>E JET KHD タイネツ -F-
- ④ H07V2-K+MTW+AWM 1015+AWM I A/B+60227 IEC 02 1.5mm² (16AWG)
 ULCE-KIV KHD TÜV CE H07V2-K 90C 1.5mm² E310419 (UL) MTW 16AWG 1.5mm²
 flexing 600V VW-1 OR AWM STYLE 1015 RATED 105C OR AWM I A/B 105C 600V FT-1
 60227 IEC 02 <PS>E JET KHD -F-

[GreenxYellow Line]



(Green : Yellow Line =6 : 4)

■Types of Standards

Name	Type	Standards
ULCE-KIV Multi-standard Wire (Appliance Wire)	MTW+AWM 1015+AWM I A/B	MTW : UL AWM 1015 : UL AWM I A/B : CSA
	MTW+AWM 1015+AWM I A/B+HKIV	MTW : UL AWM 1015 : UL AWM I A/B : CSA HKIV : <PS>E
	H07V2-K+MTW+AWM 1015 +AWM I A/B+60227 IEC 02	H07V2-K : GENELEC HD MTW : UL AWM 1015 : UL AWM I A/B : CSA 60227 IEC 02 : <PS>E (J60227)

■ COMPOSITION

Type	Size	Standards	Rated		Burning Characteristics
			Voltage	Temp.	
MTW+AWM 1015+AWM I A/B	0.5mm ² (20AWG)	UL1063 MTW	600V	90°C DRY 60°C WET	VW-1
		UL 758 AWM 1015	600Vac or 700Vdc	105°C	VW-1
		CSA-C22.2 No. 210	600V	105°C	FT1
MTW+AWM 1015+AWM I A/B+HKIV	0.75mm ² (18AWG) 1.0mm ² (18AWG)	UL1063 MTW	600V	90°C DRY 60°C WET	VW-1
		UL 758 AWM 1015	600V or 700Vdc	105°C	VW-1
		CSA-C22.2 No. 210	600V	105°C	FT1
		<PS>E	600V	75°C	-F-
HO7V2-K+MTW+AWM 1015 +AWM I A/B+60227 IEC 02	1.5mm ² (16AWG) 2.5mm ² (14AWG) 4.0mm ² (12AWG) 6.0mm ² (10AWG)	CENELEC HD 21.7 IEC 60227	450V/750V	90°C	IEC 60332-1
		UL 1063 MTW	600V	90°C DRY 60°C WET	VW-1
		UL 758 AWM 1015	600V or 700Vdc	105°C	VW-1
		CSA-C22.2 No. 210	600V	105°C	FT1
		<PS>E J60227	450V/750V	70°C	-F- J60332-1

■ DIMENSION

Type	Size		Conductor		Insulation		Mass Approx. kg/km	Nom. Length m
	mm ²	AWG	Strands/Dia. Num./mm A	Nom. Dia. mm	Nom. Thick. mm	Nom. Dia. mm		
MTW+AWM 1015+AWM I A/B	0.5	20	21/0.18	1.0	0.85	2.7	12	305
MTW+AWM 1015+AWM I A/B+HKIV	0.75	18	34/0.18	1.2	0.85	2.9	16	305
	1.0	18	40/0.18	1.3	0.85	3.0	18	305
HO7V2-K+MTW+AWM 1015 +AWM I A/B+60227 IEC 02	1.5	16	60/0.18	1.6	0.85	3.3	22	153
	2.5	14	47/0.26	2.1	0.85	3.8	34	107
	4.0	12	76/0.26	2.6	0.85	4.3	52	107
	6.0	10	112/0.26	3.2	0.85	4.9	74	107

■ Electrical Characteristics

Type	Size	Conductor Resistance (20°C) Ω/km	Insulation Resistance		
			<PS>E		<PS>E J60227
			(20°C) MΩ · km	(75°C) MΩ · km	(70°C) MΩ · km
MTW+AWM 1015+AWM I A/B	0.5mm ² (20AWG)	30.10	---	---	---
MTW+AWM 1015+AWM I A/B+HKIV	0.75mm ² (18AWG)	21.80	50	0.05	---
	1.0mm ² (18AWG)	19.50	50	0.05	---
HO7V2-K+MTW+AWM 1015 +AWM I A/B+60227 IEC 02	1.5mm ² (16AWG)	13.30	---	---	0.010
	2.5mm ² (14AWG)	7.98	---	---	0.009
	4.0mm ² (12AWG)	4.95	---	---	0.007
	6.0mm ² (10AWG)	3.30	---	---	0.006