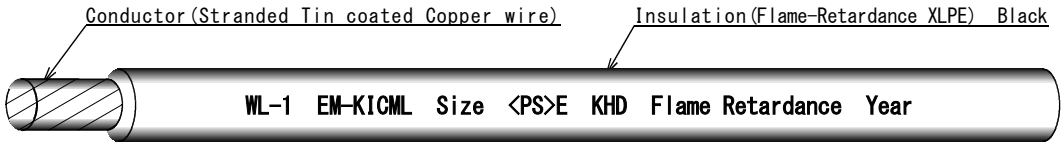
600V Cross-Linked PE-Insulated Wire

PS E RoHS

Application : ①Appliance Wire
: ②Lead Wire
Features : ①Rated high Temperature
: ②Burning high Characteristics

eco 《EM－ＫＩCML》Flame Retardant Cross-Linked Polyethylene-Insulated Wire



Type	Standards	Compliant	Rated Voltage	Rated Temperature	Burning Characteristics	Insulation Material
EM-KICML	JRIS J 1001 <PS>E	Halogen-free RoHS	600V	110℃	60° angle from the horizontal position flame test	Flame-Retardance XLPE

Type	Conductor			Insulation		Conductor Resistance (20℃) Ω/km Max.	Dielectric V/15min	Current-Carrying Capacity A
	Size mm²	Strands/Dia. Num./mm TA	Nom. Dia. mm	Nom. Thick. mm	Nom. Dia. mm			
EM-KICML	0.75	30/0.18	1.1	1.1	3.3	25.80	2200	22
	1.25	50/0.18	1.5	1.1	3.7	15.50	2200	29
	2.0	37/0.26	1.8	1.1	4.0	9.91	2200	41
	3.5	45/0.32	2.5	1.1	4.7	5.38	2200	56
	5.5	35/0.45	3.1	1.1	5.3	3.50	2200	74
	8.0	50/0.45	3.7	1.1	5.9	2.45	2200	93

＊Current-Carrying Capacity may vary with ambient temperature and conditions of the installation.
Reduce the relevant load for multi-wiring or conduit wiring or in case of a high ambient temperature
WL-1 is Compliant to JRIS J 1000
EM-KICML is KHD name.

Item		Characteristics
Tensile Strength		10MPa Min.
Elongation		350% Min
Aging(150℃ ／ 96h)	Tensile Strength	80% min of the value before aging
	Elongation	80% min of the value before aging
Oil resistance	Tensile Strength	50% min of the value before aging
	Elongation	50% min of the value before aging
Heat shock (120℃ / 1h)		No development of cracks and flaws on the surface
Cold Bend (-10℃ / 1h)		No development of cracks and flaws on the surface
Heat Constriction (100℃ / 1h)		Length reduction not to exceed 3%
Heat deformation (120℃ / 0.5h)		Thickness reduction not to exceed 40%
60° angle from the horizontal position flame test		Flame to go out naturally with in 60 sec