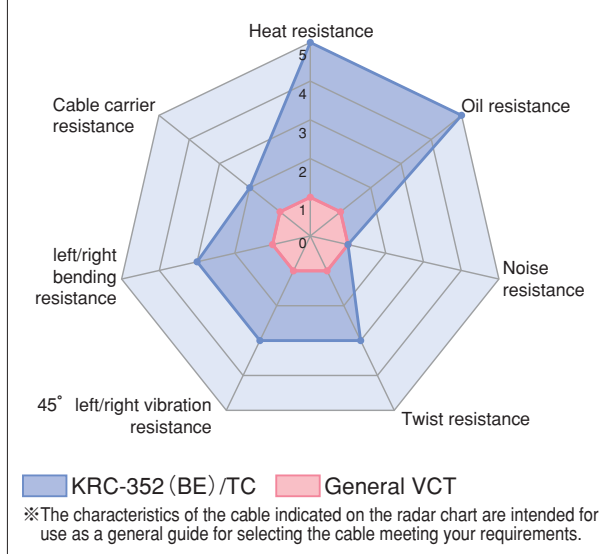


KRC-352(BE)/TC

NFPA70/NFPA79 Compliant
Global Standard Cable



Characteristics Radar Chart



Features

- Global-standard cables designed to UL,cUL standard and <PS>E (7 or less cores) &GOST-R
- TYPE TC (tray cable)/MTW
- Oil resistance/Heat resistance (105°C)/Flexibility/Flame resistance
For the temperature rating of the cable, refer to [Technical Data] given below.

Application

- Internal/external cable connection to electrical equipment
- Cable connection under oil environment
- Cable connection in cable trays

Certification/Marking



※The cable is subject to limitation of applicable sizes for each relevant standard. For details, refer to “Applicable Range” for each standard in [Technical Data] given below.

Technical Data

	UL TYPE TC	UL MTW	UL AWM	cUL	Electrical Appliance and Material Safety Law <PS>E
Cable Type	TC	MTW	Style 2501	AWM	VCT
Voltage Rating	600V	600V	600V	600V	600V
Test Voltage	AC3000V · 1min				
Temperature Rating	75°C DRY and WET	90°C DRY, 60°C WET	105°C	105°C	75°C
Flame Resistance	Vertical-Tray Flame Test	VW-1	VW-1	FT-1	60° inclination
Applicable Standard	UL 1277	UL 1063	UL 758	CAN/CSA-C22.2 No.210.2	Electrical Appliance and Material Safety Law
Applicable Range	All sizes	All sizes	All sizes	All sizes	7 cores or less

Electrical Characteristics

Item	Conductor Size (AWG) (mm ²)	Number of Cores	Allowable Current (A) ※					
			4	8	11	20	38	49
Conductor Resistance (20°C) Ω/km or below	18 (0.75)	22.2	13	10	9	7	6	5
Insulation Resistance (15.6°C) MΩ/km or above	18 (0.75), 14 (2)	175						

●The conductor resistance of 14AWG<2mm²> is 8.83Ω/km or below at 20°C.

●Allowable Current (A) for the cable is based on calculation under aerial one-cable installation at ambient temperature of 30°C, not representing a guaranteed value.

Allowable current for the cable at ambient temperature above 30°C is to be determined by multiplying the current value by the appropriate current reduction factor specified in the following table for the ambient temperature.

●The Allowable current values are those calculated by JCS197, but not guaranteed.

For detailed information about Allowable current in cable, refer to NFPA70, which specifies the Allowable current value for cable according to the number of the cores of the cable in which the current flows.

JCS197... Japanese Electric Wire and Cable Makers' Association's Standard "Allowable Current for Cable"

Current Reduction Factor Table

Ambient Temperature (°C)	30	35	40	45	50	55	60	65	70
Current Reduction Factor	1.00	0.94	0.88	0.82	0.75	0.67	0.58	0.47	0.33

Core Identification

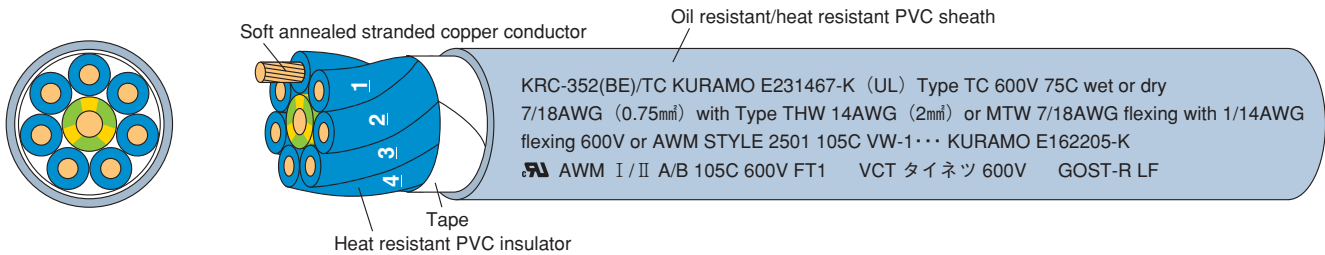
Core identification system	
Identification by Number	Cores identified by numbering in white color on blue insulator surface + green/yellow

- Green/yellow: Yellow straight lines on green (in green/yellow color ratio of 60/40)

Cable Construction

Item	Configuration
Conductor	Soft annealed stranded copper
Insulator	Heat resistant PVC
Conductor stranding	Circular
Core wrapping tape	Tape wrap around cores if their number is 8 or more
Sheath	Oil resistant/heat resistant PVC (light gray)

- Example: 8 core (7 core (0.75mm²) 18AWG + 1 core (2mm²) 14AWG) cable



Cable Outside Diameter/Weight

Conductor Size (AWG) (mm ²) Conductor count/wire diameter	Number of Cores					
	4	8	11	20	38	49
18 (35/0.18)	11.5	13.5	16.0	20.5	26.5	30.0
<0.75>	185	250	340	560	950	1250

- The cable designed with its number of cores as indicated in the above table contains one core of 14AWG<2mm²> (41/0.26) green/yellow grounding conductor.

Upper: Standard cable outside diameter (Approx.mm)

Lower: Approximate weight (kg/km)

☒ indicates specifications for custom order production.