

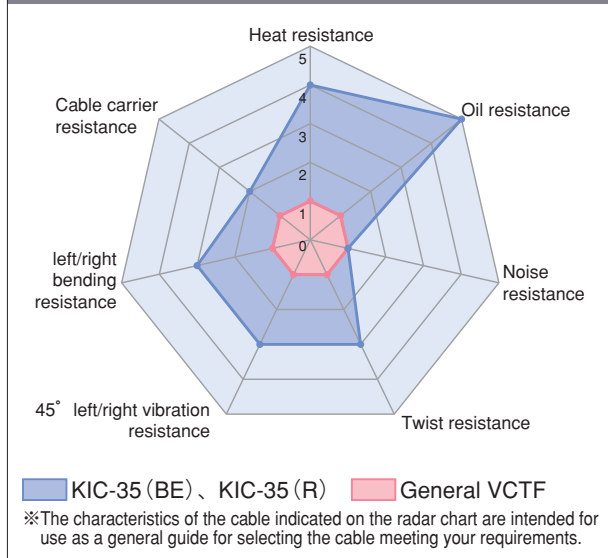
# KIC-35 (BE) KIC-35 (R)

Oil and heat resistant PVC multi-conductor cables

## UL AWM 2464



Characteristics Radar Chart



### Features

- Cables designed to UL, cUL standards and GOST-R
- Oil resistance/Heat resistance/Flexibility

### Application

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

### Certification/Marking



## Technical Data

	UL • cUL
Cable Type	AWM Style 2464
Voltage Rating	300V
Temperature Rating	80°C
Test Voltage	AC2000V • 1min
Flame Resistance	VW-1, FT1
Applicable Standard	UL 758, CAN/CSA-C22.2 No210.2

## Electrical Characteristics

Item	Conductor Size (AWG)	Number of Cores	Allowable Current (A)							
			8~51	8	11	15	21	25	31	41
Conductor Resistance (20°C) Ω/km or below	18	22.2	10	9	8	7	7	6	6	5
Insulation Resistance (20°C) MΩ/km or above	18, 14	10	●The conductor resistance of 14AWG (earth wire) 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.

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

### Current Reduction Factor Table

Ambient Temperature (°C)	30	35	40	45	50	55	60	65	70	75
Current Reduction Factor	1.00	0.95	0.89	0.84	0.77	0.71	0.63	0.55	0.45	0.32

## Core Identification

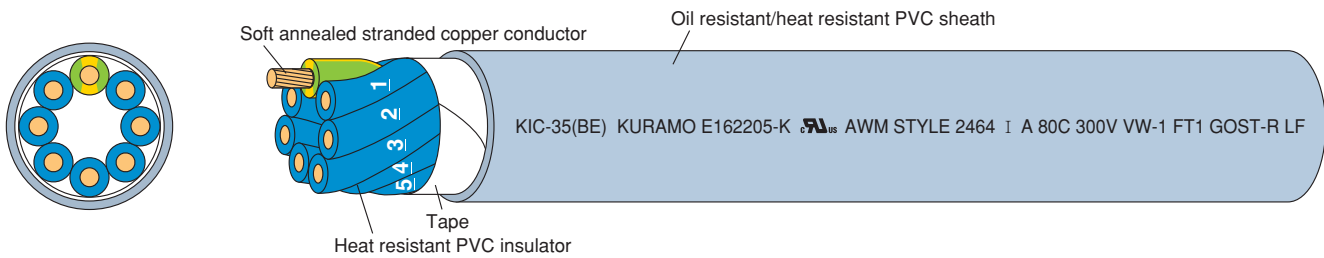
Number of cores	Core identification system
8 or more	Identification by number (marked on insulator surface in the order of 1, 2, 3, 4 and so on)

- The cable code is identified by the cable insulator color:  
Blue for KIC-35 (BE)  
Red for KIC-35 (R)
- 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 (blue or red)
Conductor stranding	Circular
Core wrapping tape	Tape wrap around cores
Sheath	Oil resistant/heat resistant PVC (light gray)

### Example: 8 core (7 core (18AWG) + 1 core (14AWG)) cable



## Cable Outside Diameter/Weight

Conductor Size AWG Conductor count/wire diameter	Number of Cores							
	8	11	15	21	25	31	41	51
18 (35/0.18)	9.1 140	11.5 185	12.5 240	14.0 315	15.0 365	16.0 440	18.5 565	21.0 735

- The cable designed with its number of cores as indicated in the above table contains one core of 14AWG (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.