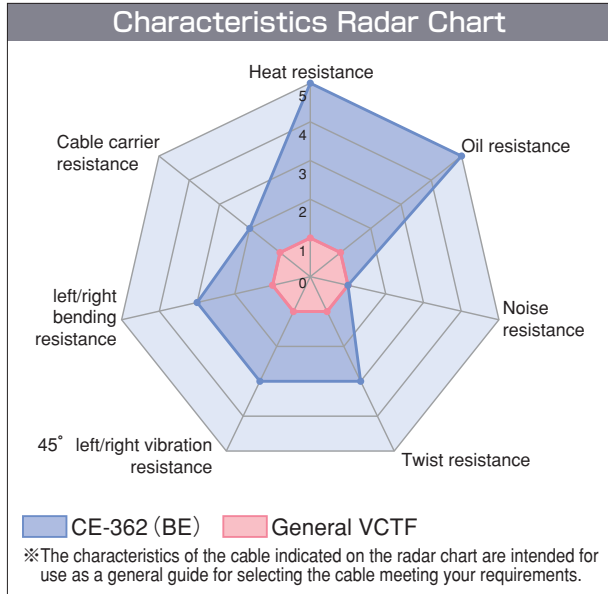
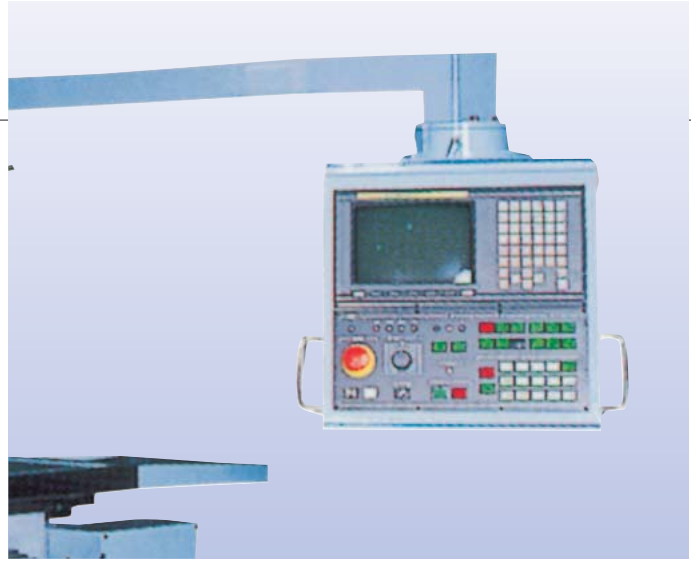


CE-362(BE)

UL AWM 2587



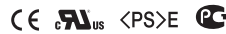
Features

- Global-standard cables designed to CE&UL • cUL&<PS>E&GOST-R
- Oil resistance/Heat resistance (105°C)/Flexibility

Application

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

Certification/Marking



Technical Data

| | CE | UL • cUL | Electrical Appliance and Material Safety Law<PS>E |
|---------------------|--|---------------------------------|---|
| Cable Type | Pursuant to 60227 IEC75 | AWM style 2587 | VCTF |
| Voltage Rating | 300/500V | 600V | 300V |
| Temperature Rating | 70°C | 90°C | 75°C |
| Test Voltage | AC2000V • 15min | AC3000V • 1min | AC2000V • 1min |
| Flame Resistance | IEC 60332-1 | VW-1, FT1 | 60° inclination |
| Applicable Standard | Pursuant to GENELEC HD 21.13 IEC 60227-7 | UL 758 CAN/CSA-C22.2 No210.2 | Electrical Appliance and Material Safety Law |
| Applicable Range | All sizes | All sizes | All sizes |

Electrical Characteristics

| Item | Nominal Cross-Sectional Area (mm ²) | Number of Cores | Allowable Current (A) | | | | | | |
|--|---|-----------------|-----------------------|---|----|----|----|----|----|
| | | | 8~51 | 8 | 11 | 21 | 25 | 31 | 41 |
| Conductor Resistance (20°C) Ω/km or below | 0.75 | 26.0 | 9 | 8 | 6 | 6 | 5 | 5 | 5 |
| Insulation Resistance (20°C) MΩ km or above | 0.75 | 50 | | | | | | | |

- The cable designed with its number of cores as indicated in the above table contains one core of 2.5mm² (14AWG) (50/0.25) green/yellow grounding conductor.
- The conductor resistance of the 2.5mm² (14AWG) green/yellow grounding conductor is 7.98Ω/km or less at 20°C.
- The insulation resistance of the 2.5mm² (14AWG) green/yellow grounding conductor is 40 MΩkm or more 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 details on Allowable current of the cable when used in Europe, refer to the applicable standard) — IEC60364-5 (Electrical installation of building — Part 5: Selection and erection of electrical equipment — Section 523: Current-carrying capacities in wiring system).
JCS197... Japanese Electric Wire and Cable Makers' Association's Standard "Allowable Current for Cabtyre Cable"

Current Reduction Factor Table

| Ambient Temperature (°C) | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 |
|--------------------------|------|------|------|------|------|------|-----|------|
| Current Reduction Factor | 1.00 | 0.94 | 0.87 | 0.79 | 0.71 | 0.61 | 0.5 | 0.35 |

Core Identification

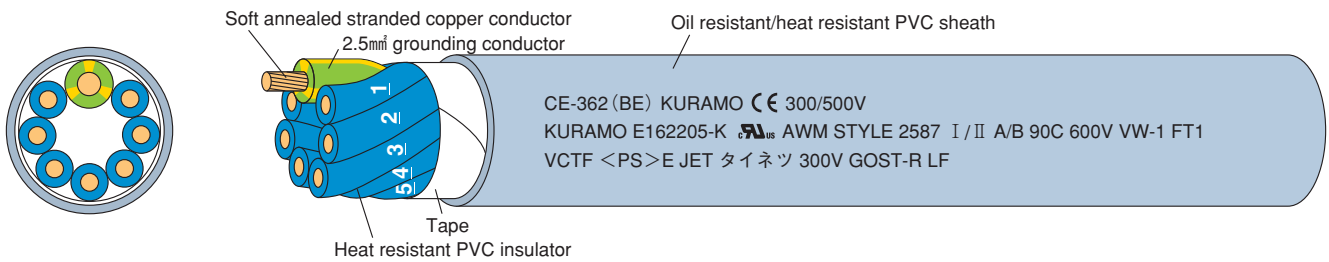
| Core identification system | |
|----------------------------|---|
| Identification by Number | Cores identified by numbering in white color on blue insulator surface + green/yellow |

- 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 |
| Sheath | Oil resistant/heat resistant PVC (light gray) |

■ Example: 8 core (7 core (0.75mm²) 19AWG + 1 core (2.5mm²) 14AWG) cable



Cable Outside Diameter/Weight

| Nominal cross-sectional area (mm ²) <AWG> Conductor count/wire diameter | 8 | 11 | 21 | 25 | 31 | 41 | 51 |
|--|------|------|------|------|------|------|------|
| 0.75 (30/0.18) | 11.5 | 13.0 | 17.0 | 18.0 | 19.0 | 23.0 | 24.5 |
| <19> | 175 | 215 | 375 | 440 | 520 | 730 | 850 |

- The cable designed with its number of cores as indicated in the above table contains one core of 2.5mm² (14AWG) (50/0.25) green/yellow grounding conductor.

Upper: Standard cable outside diameter (Approx.mm)

Lower: Approximate weight (kg/km)

☒ indicates specifications for custom order production.

CE-362(BE)

<PS>E

UL AWM

NFPA70
NFPA79

cUL/CSA

CE

CCC

GOST-R