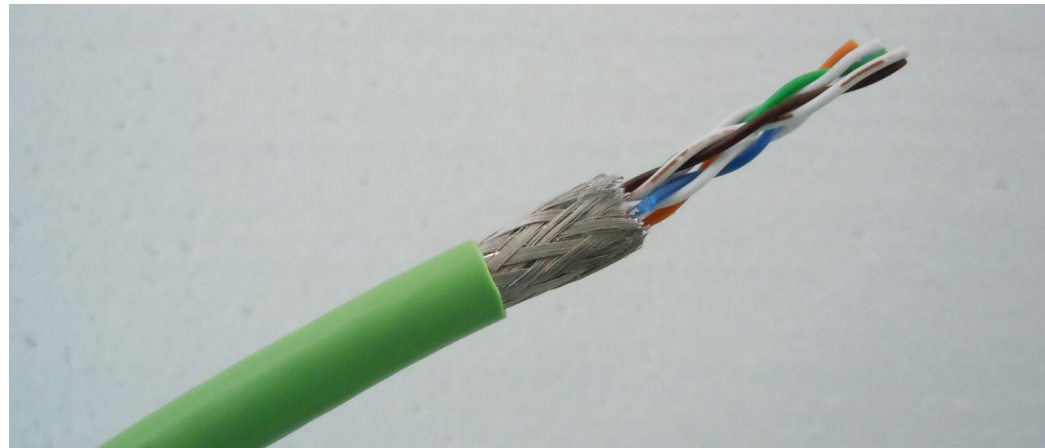


# UNI-FLEX IE5e

## Industrial communication cable



シース色: 緑  
Sheath color : Green

例/Reference UNI-FLEX IE5e 0.14mm<sup>2</sup> × 4P

| ケーブル特性<br>Characteristics<br>of cable | 耐熱性<br>Heat resistance | 耐寒性<br>Cold resistance | 耐油性<br>Oil resistance | 難燃性<br>Flame retardant | 耐屈曲性<br>Flexing | 耐ノイズ性<br>Noise resistance | 配線<br>Wiring      | RoHS指令<br>RoHS Directive |
|---------------------------------------|------------------------|------------------------|-----------------------|------------------------|-----------------|---------------------------|-------------------|--------------------------|
|                                       | 80°C                   | -15°C                  | A                     | B                      | D               | A                         | 下記参照<br>See below | 適合<br>Conformity         |

※ケーブル特性については、総合カタログの技術データを参照して下さい。Refer to technical data.

### 用途 APPLICATION

1. 固定部
2. Ethernet 1000BASE-T
3. 幹線※ 及びパッチコード  
※パッチコードを含める場合は、  
それを含めた経路長となる。

1. Fixed installation
2. For Ethernet (1000BASE-T)
3. Possible to use for Horizontal cable※  
or patch cord.  
※Root length including patch cord.

### ■認証 APPROVAL

| 項目 Item                                 | CE   | UL       | cCSAus                   |
|---|--|----------|--------------------------|
| 認証<br>Approval                          | ---  | E194236  | 273533                   |
| 認証番号<br>Certification number            | ---  | E194236  | 273533                   |
| 適用規格<br>Standard                        | ISO/IEC 11801  | UL 758   | UL 444                   |
| ケーブルデザイン<br>Cable designation           | Cat.5e   | 20276    | CM                       |
| 特性<br>Characteristics                   |  |          |                          |
| 公称電圧<br>Rated voltage                   | 250V Peak  | 30V      | (300V)                   |
| 耐電圧<br>Test voltage                     | 1500V/min  | 500V/min | 1500V/2sec               |
| 使用温度<br>Temperature range               | 70°C   | 80°C     | 75°C                     |
| 曲げ半径<br>Minimum bending for radius      | 4D D = ケーブル外径/Overall diameter   |          |                          |
| 難燃性<br>Flame retardant                  | IEC 60332-1  | VW-1     | VW-1 for CT use(UL 1685) |
| 構造<br>Construction                      |  |          |                          |
| 導体<br>Conductor                         | ATSM B-3   |          |                          |
| 絶縁/識別<br>Insulation/Core identification | PE / (青×白)×(橙×白)×(緑×白)×(茶×白)<br>PE / (Blue×White)×(Orange×White)×(Green×White)×(Brown×White) |          |                          |
| シールド<br>Shielded                        | AL-PETテープ + 編組シールド(TAC)<br>AL-PET Tape + Braided Shield(TAC)                                 |          |                          |
| シース/シース色<br>Sheath/Sheath color         | 耐油PVC / 緑・空<br>Oil resistance PVC / Green・Light Blue   |          |                          |



# 産業機器対応 Ether net

### ケーブル構造 CABLE CONSTRUCTION

| 商品番号<br>Part number | 導体断面積<br>Nominal cross<br>sectional area | 導体構成/外径<br>Conductor<br>Composition/<br><Diameter><br>mm | 絶縁外径<br>Diameter of insulation<br>mm | 対数<br>No. of Pairs | 仕上外径<br>Approx. Overall<br>diameter<br>mm | 概算質量<br>Approx. mass<br>kg/km |
|---------------------|--|--|--------------------------------------|--------------------|---|-------------------------------|
| UN01 1001404        | 0.14mm <sup>2</sup> (26AWG)              | 7/0.16<br><0.48mm>                                       | 0.88                                 | 4P(8c)             | 6.0                                       | 56                            |
| UN01 1002004        | 0.2mm <sup>2</sup> (24AWG)               | 7/0.2<br><0.6mm>   | 1.0                                  | 4P(8c)             | 6.5                                       | 64                            |

●販売条長: 100m Standard length : 100m

### 通信特性 CHARACTERISTIC FOR COMMUNICATION

| 規格<br>National Standard               | ISO/IEC 11801, ANSI/TIA-568   |        |      |      |      |      |       |       |       |
|---------------------------------------|-------------------------------|--------|------|------|------|------|-------|-------|-------|
| 周波数<br>Frequency                      | MHz                           | 1      | 4    | 10   | 16   | 20   | 31.25 | 62.5  | 100   |
| 減衰量 (20°Cの時)<br>Attenuation(At 20°C)  | 0.14mm <sup>2</sup><br>dB/50m | ≤2.0   | ≤4.1 | ≤6.5 | ≤8.2 | ≤9.3 | ≤11.7 | ≤17.0 | ≤22.0 |
|                                       | 0.2mm <sup>2</sup><br>dB/70m  | ≤2.0   | ≤4.1 | ≤6.5 | ≤8.2 | ≤9.3 | ≤11.7 | ≤17.0 | ≤22.0 |
| 特性インピーダンス<br>Characteristic Impedance | Ω                             | 100±15 |      |      |      |      |       |       |       |

### 適用 APPLICATION

| 通信用途<br>Communication use | 配線環境<br>Usage environment                                       | オープンネットワーク<br>Open network   |
|---------------------------|---|--|
| 1000BASE-T                | ●   | FL-net ●   |
| 100BASE-TX                | ●   | PROFINET -   |
| Category 5e               | ●   | Ethernet/IP 相当品<br>Equivalent                                      |
| 幹線<br>Horizontal cable    | 0.14mm <sup>2</sup> : Max. 50m<br>0.2mm <sup>2</sup> : Max. 70m | EtherCAT 相当品<br>Equivalent   |
| パッチコード<br>Patch cord      | ●   | MECHATROLINK-III -   |
|                           | 曲げ半径(固定配線)<br>Bending radius (Fixed wiring)                     | 4D <sup>※1</sup>   |
|                           | トレイ配線<br>(Tray wiring)  | ●  |
|                           | 可動部<br>Movement use   | -  |
|                           | 耐油環境<br>Oil resistance  | ●  |
|                           | 高温環境(60°C)<br>High temperature resistance(60°C)                 | 0.14mm <sup>2</sup> : Max. 40m<br>0.2mm <sup>2</sup> : Max. 60m    |
|                           |   | CC-Link IE Field ● <sup>※2</sup><br>CC-Link IE TSN ● <sup>※2</sup> |

※1 D : ケーブルの仕上外径(mm)

D : Overall diameter(mm)

※2 0.2mm<sup>2</sup> にのみ適応  
Only suitable for 0.2mm<sup>2</sup>