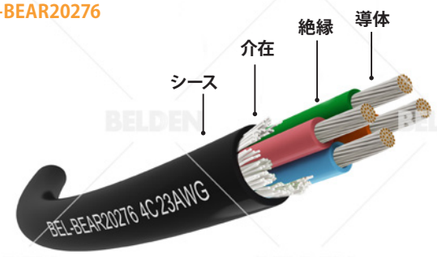
# BEL-BEAR20276
# BEL-BEAR20276SB

## BEL-BEAR20276




## BEL-BEAR20276SB

## 規格

| | | | |
|---|---|---|---|
| 1 | 適合規格 | UL 758 | CSA C22.2 No.210 |
| 2 | 形式記号 | UL AWM Style 20276 | cUL AWM I/II A/B |
| 3 | 定格電圧(AC) | 30V | 30V |
| 4 | 定格温度 | 80℃ | 80℃ |
| 5 | 難燃性 | VW-1 | FT1 |

## 特長

- FA向け屈曲用定格制御、信号ケーブル
- 業界トップクラスの細さ
- ケーブルベア、捻回、左右屈曲に対応
- ケーブルベア試験、±90°左右屈曲試験、垂直360° 捻回試験実施済み
- UL、CEに対応
- 耐油、耐熱、難燃
- 柔軟
- 耐ノイズ (BEL-BEAR20276SB)

## 構造及び、性能

| | | | | |
|---|---|---|---|---|
| 1 | 導体材 | すずめっき軟銅撚線 | | |
| 2 | 絶縁材と色 | PVC (ポリ塩化ビニル)、色は識別表を用いる | | |
| 3 | 編組シールド | すずめっき軟銅線 | | |
| 4 | シース材 | UL1581に準拠したPVC (ポリ塩化ビニル) | | |
| 5 | シース色 | 黒 (艶消し) | | |
| 6 | 難燃性 | VW-1、FT1、EN 60332-1-2 | | |
| 7 | 耐油性 | IRM 902、120℃ × 18時間、伸長性および抗張力 ≧ 60% (オリジナルの値から) | | |
| | | IRM 903、120℃ × 18時間、伸長性および抗張力 ≧ 60% (オリジナルの値から) | | |
| 8 | 定格電圧 (AC) | 30V | | |
| 9 | 屈曲試験 | ケーブルベア試験 | ±90°左右屈曲試験 | 垂直360° 捻回試験 |
| 10 | 耐電圧 (AC) | 500V / 1分 | | |
| 11 | その他 特性 | 耐紫外線、耐薬品性、ROHS2、REACHおよびCE指令 | | |

## 識別

### BEL-BEAR20276

| ペアNo. | 絶縁色識別 | |
|---|---|---|
| | 絶縁色 | ドットマーク |
| 1C | 青 | |
| 2C | 桃 | |
| 3C | 緑 | |
| 4C | 橙 | |
| 5C | 灰 | |
| 6C | 青 | — |
| 7C | 桃 | — |
| 8C | 緑 | — |
| 9C | 橙 | — |
| 10C | 灰 | — |
| 11C | 青 | — — |
| 12C | 桃 | — — |
| 13C | 緑 | — — |
| 14C | 橙 | — — |
| 15C | 灰 | — — |
| 16C | 青 | — — — |
| 17C | 桃 | — — — |
| 18C | 緑 | — — — |
| 19C | 橙 | — — — |
| 20C | 灰 | — — — |

●ドットの横約1mm、縦約2mm、間隔約1.5mm、ピッチ約12mm。

### BEL-BEAR20276SB

| ペアNo. | 絶縁色識別 | |
|---|---|---|
| | 絶縁色 | ドットマーク |
| 1P | 青 | — — |
| 3C | 青 桃 緑 | |
| 2P | 桃 | — — |
| 3P | 緑 | — — |
| 4P | 橙 | — — |
| 5P | 灰 | — — |
| 6P | 青 | — — — — |
| 7P | 桃 | — — — — |
| 8P | 緑 | — — — — |
| 9P | 橙 | — — — — |
| 10P | 灰 | — — — — |
| 11P | 青 | — — — — — |
| 12P | 桃 | — — — — — |
| 13P | 緑 | — — — — — |
| 14P | 橙 | — — — — — |
| 15P | 灰 | — — — — — |
| 16P | 青 | — — — — — — |
| 17P | 桃 | — — — — — — |
| 18P | 緑 | — — — — — — |
| 19P | 橙 | — — — — — — |
| 20P | 灰 | — — — — — — |
| 21P | 青 | — — — — — — — (連続) |
| 22P | 桃 | — — — — — — — (連続) |
| 23P | 緑 | — — — — — — — (連続) |
| 24P | 橙 | — — — — — — — (連続) |
| 25P | 灰 | — — — — — — — (連続) |

●ドットの横約1mm、縦約2mm、間隔約1.5mm、ピッチ約12mm。

## BEL-BEAR20276

| 芯数 | 導体 サイズ (AWG) | 導体 構成 (mm) | 導体 直径 (mm) | 絶縁 厚さ (mm) | 絶縁 直径 (mm) | シース 厚さ (mm) | シース 直径 (mm) | 電気特性 導体抵抗 (Ω/km@20℃) | 電気特性 耐電圧 (V/1分) | 標準重量 (kg/km) | 許容電流 (A) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2C | 26 (0.15mm²) | 30/0.08 | 0.50 | 0.24 | 0.97 | 0.9 | 3.8 | 130 | 500 | 17.4 | 2.7 |
| 3C | | | | | | 0.9 | 4.0 | | | 21.3 | 2.3 |
| 4C | | | | | | 0.9 | 4.3 | | | 25.2 | 2.2 |
| 5C | | | | | | 0.9 | 4.6 | | | 28.9 | 2.0 |
| 6C | | | | | | 1.0 | 4.9 | | | 32.9 | 1.9 |
| 7C | | | | | | 1.0 | 5.3 | | | 37.9 | 1.8 |
| 8C | | | | | | 1.0 | 5.6 | | | 42.1 | 1.7 |
| 9C | | | | | | 1.0 | 5.9 | | | 46.2 | 1.6 |
| 10C | | | | | | 1.0 | 6.3 | | | 50.9 | 1.6 |
| 11C | | | | | | 1.0 | 6.2 | | | 52.0 | 1.5 |
| 12C | | | | | | 1.0 | 6.2 | | | 54.3 | 1.5 |
| 13C | | | | | | 1.1 | 6.5 | | | 58.7 | 1.5 |
| 14C | | | | | | 1.1 | 6.5 | | | 61.0 | 1.4 |
| 15C | | | | | | 1.1 | 6.8 | | | 65.0 | 1.4 |
| 16C | | | | | | 1.1 | 6.8 | | | 67.3 | 1.4 |
| 17C | | | | | | 1.1 | 7.1 | | | 71.5 | 1.3 |
| 18C | | | | | | 1.1 | 7.1 | | | 73.7 | 1.3 |
| 19C | | | | | | 1.1 | 7.5 | | | 79.3 | 1.2 |
| 20C | | | | | | 1.1 | 7.5 | | | 81.5 | 1.2 |
| 2C | 24 (0.2mm²) | 40/0.08 | 0.58 | 0.24 | 1.05 | 0.9 | 4.0 | 89 | 500 | 19.9 | 4.4 |
| 3C | | | | | | 0.9 | 4.2 | | | 24.5 | 3.7 |
| 4C | | | | | | 0.9 | 4.5 | | | 29.0 | 3.4 |
| 5C | | | | | | 0.9 | 4.8 | | | 33.2 | 3.1 |
| 6C | | | | | | 1.0 | 5.2 | | | 39.0 | 3.0 |
| 7C | | | | | | 1.0 | 5.6 | | | 44.5 | 2.9 |
| 8C | | | | | | 1.0 | 5.9 | | | 49.3 | 2.8 |
| 9C | | | | | | 1.0 | 6.3 | | | 55.4 | 2.7 |
| 10C | | | | | | 1.0 | 6.7 | | | 60.6 | 2.6 |
| 11C | | | | | | 1.1 | 6.6 | | | 62.4 | 2.4 |
| 12C | | | | | | 1.1 | 6.6 | | | 65.3 | 2.3 |
| 13C | | | | | | 1.1 | 6.9 | | | 70.3 | 2.2 |
| 14C | | | | | | 1.1 | 6.9 | | | 73.3 | 2.2 |
| 15C | | | | | | 1.1 | 7.2 | | | 77.6 | 2.1 |
| 16C | | | | | | 1.1 | 7.2 | | | 80.6 | 2.1 |
| 17C | | | | | | 1.1 | 7.6 | | | 87.1 | 2.1 |
| 18C | | | | | | 1.1 | 7.6 | | | 90.0 | 2.0 |
| 19C | | | | | | 1.1 | 8.0 | | | 96.0 | 2.0 |
| 20C | | | | | | 1.1 | 8.0 | | | 99.0 | 2.0 |
| 2C | 23 (0.3mm²) | 60/0.08 | 0.71 | 0.24 | 1.20 | 0.9 | 4.3 | 65.2 | 500 | 23.9 | 6.6 |
| 3C | | | | | | 0.9 | 4.5 | | | 29.7 | 5.5 |
| 4C | | | | | | 0.9 | 4.8 | | | 35.3 | 5.4 |
| 5C | | | | | | 0.9 | 5.2 | | | 41.5 | 5.0 |
| 6C | | | | | | 1.0 | 5.6 | | | 48.3 | 4.6 |
| 7C | | | | | | 1.0 | 6.0 | | | 54.7 | 4.4 |
| 8C | | | | | | 1.0 | 6.4 | | | 61.9 | 4.2 |
| 9C | | | | | | 1.0 | 6.9 | | | 70.5 | 4.0 |
| 10C | | | | | | 1.0 | 7.4 | | | 78.1 | 3.9 |
| 11C | | | | | | 1.1 | 7.3 | | | 81.2 | 3.7 |
| 12C | | | | | | 1.1 | 7.3 | | | 85.4 | 3.6 |
| 13C | | | | | | 1.1 | 7.6 | | | 91.3 | 3.5 |
| 14C | | | | | | 1.1 | 7.6 | | | 95.5 | 3.5 |
| 15C | | | | | | 1.1 | 8.0 | | | 102.5 | 3.4 |
| 16C | | | | | | 1.1 | 8.0 | | | 106.7 | 3.4 |
| 17C | | | | | | 1.2 | 8.4 | | | 114.1 | 3.3 |
| 18C | | | | | | 1.2 | 8.4 | | | 118.3 | 3.2 |
| 19C | | | | | | 1.2 | 8.9 | | | 127.2 | 3.1 |
| 20C | | | | | | 1.2 | 8.9 | | | 131.4 | 3.0 |
| 2C | 21 (0.5mm²) | 91/0.08 | 0.88 | 0.26 | 1.40 | 0.9 | 4.7 | 43.4 | 500 | 28.9 | 6.8 |
| 3C | | | | | | 0.9 | 4.9 | | | 36.0 | 6.4 |
| 4C | | | | | | 1.0 | 5.5 | | | 46.6 | 6.1 |
| 5C | | | | | | 1.0 | 5.9 | | | 54.1 | 5.4 |
| 6C | | | | | | 1.0 | 6.3 | | | 62.1 | 5.3 |
| 7C | | | | | | 1.0 | 6.7 | | | 69.5 | 5.0 |
| 8C | | | | | | 1.0 | 7.2 | | | 79.5 | 4.8 |
| 9C | | | | | | 1.1 | 7.8 | | | 91.1 | 4.6 |
| 10C | | | | | | 1.1 | 8.4 | | | 101.5 | 4.5 |
| 11C | | | | | | 1.2 | 8.3 | | | 106.2 | 4.3 |
| 12C | | | | | | 1.2 | 8.3 | | | 111.9 | 4.2 |
| 13C | | | | | | 1.2 | 8.6 | | | 118.6 | 4.1 |
| 14C | | | | | | 1.2 | 8.6 | | | 124.3 | 4.0 |
| 15C | | | | | | 1.2 | 9.1 | | | 134.3 | 3.9 |
| 16C | | | | | | 1.2 | 9.1 | | | 140.0 | 3.9 |
| 17C | | | | | | 1.3 | 9.6 | | | 150.7 | 3.8 |
| 18C | | | | | | 1.3 | 9.6 | | | 156.4 | 3.7 |
| 19C | | | | | | 1.3 | 10.1 | | | 166.1 | 3.6 |
| 20C | | | | | | 1.3 | 10.1 | | | 171.8 | 3.5 |

## BEL-BEAR20276SB

| 芯数 | 導体 サイズ (AWG) | 導体 構成 (mm) | 導体 直径 (mm) | 絶縁 厚さ (mm) | 絶縁 直径 (mm) | シース 厚さ (mm) | シース 直径 (mm) | 電気特性 導体抵抗 (Ω/km@20℃) | 電気特性 耐電圧 (V/1分) | 標準重量 (kg/km) | 許容電流 (A) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1P | 26 (0.15mm²) | 30/0.08 | 0.50 | 0.24 | 0.97 | 0.9 | 4.4 | 130 | 500 | 25.6 | 2.8 |
| 3C | | | | | | 1.0 | 4.6 | | | 29.3 | 2.3 |
| 2P | | | | | | 0.9 | 5.5 | | | 37.4 | 2.2 |
| 3P | | | | | | 1.0 | 6.3 | | | 52.4 | 1.9 |
| 4P | | | | | | 1.0 | 6.7 | | | 60.2 | 1.7 |
| 5P | | | | | | 1.0 | 7.2 | | | 68.5 | 1.6 |
| 6P | | | | | | 1.0 | 7.7 | | | 78.0 | 1.5 |
| 7P | | | | | | 1.0 | 8.2 | | | 86.9 | 1.4 |
| 8P | | | | | | 1.1 | 8.9 | | | 100.9 | 1.4 |
| 10P | | | | | | 0.9 | 9.0 | | | 102.0 | 1.2 |
| 12P | | | | | | 1.2 | 9.9 | | | 127.4 | 1.2 |
| 15P | | | | | | 1.4 | 10.8 | | | 149.5 | 1.1 |
| 20P | | | | | | 1.3 | 12.0 | | | 187.6 | 1.0 |
| 25P | | | | | | 1.4 | 13.6 | | | 234.3 | 0.98 |
| 1P | 24 (0.2mm²) | 40/0.08 | 0.58 | 0.24 | 1.05 | 1.0 | 4.6 | 89 | 500 | 28.5 | 4.5 |
| 3C | | | | | | 1.0 | 4.8 | | | 32.9 | 3.7 |
| 2P | | | | | | 0.9 | 5.9 | | | 45.3 | 3.6 |
| 3P | | | | | | 1.1 | 6.6 | | | 59.4 | 3.1 |
| 4P | | | | | | 1.1 | 7.1 | | | 69.9 | 2.8 |
| 5P | | | | | | 1.1 | 7.7 | | | 81.0 | 2.6 |
| 6P | | | | | | 1.1 | 8.2 | | | 91.8 | 2.4 |
| 7P | | | | | | 1.1 | 8.8 | | | 103.8 | 2.3 |
| 8P | | | | | | 1.2 | 9.5 | | | 119.6 | 2.3 |
| 10P | | | | | | 0.9 | 9.5 | | | 119.4 | 2.0 |
| 12P | | | | | | 1.3 | 10.6 | | | 152.9 | 1.9 |
| 15P | | | | | | 1.5 | 11.5 | | | 178.1 | 1.8 |
| 20P | | | | | | 1.4 | 12.9 | | | 226.0 | 1.6 |
| 25P | | | | | | 1.5 | 14.6 | | | 288.4 | 1.5 |
| 1P | 23 (0.3mm²) | 60/0.08 | 0.71 | 0.24 | 1.2 | 1.0 | 4.9 | 65.2 | 500 | 33.3 | 6.7 |
| 3C | | | | | | 1.0 | 5.1 | | | 38.9 | 5.5 |
| 2P | | | | | | 0.9 | 6.4 | | | 54.3 | 5.4 |
| 3P | | | | | | 1.0 | 7.1 | | | 71.1 | 4.6 |
| 4P | | | | | | 1.1 | 7.7 | | | 85.4 | 4.2 |
| 5P | | | | | | 1.2 | 8.5 | | | 102.3 | 3.9 |
| 6P | | | | | | 1.2 | 9.1 | | | 117.1 | 3.6 |
| 7P | | | | | | 1.1 | 9.7 | | | 131.0 | 3.4 |
| 8P | | | | | | 1.2 | 10.5 | | | 151.2 | 3.4 |
| 10P | | | | | | 0.9 | 10.5 | | | 152.8 | 3.0 |
| 12P | | | | | | 1.3 | 11.8 | | | 198.2 | 2.8 |
| 15P | | | | | | 1.6 | 12.9 | | | 234.6 | 2.7 |
| 20P | | | | | | 1.5 | 14.4 | | | 302.9 | 2.4 |
| 25P | | | | | | 1.6 | 16.4 | | | 382.8 | 2.2 |
| 1P | 21 (0.5mm²) | 91/0.08 | 0.88 | 0.26 | 1.4 | 1.1 | 5.5 | 43.4 | 500 | 41.9 | 6.8 |
| 3C | | | | | | 1.0 | 5.7 | | | 48.8 | 6.3 |
| 2P | | | | | | 0.9 | 7.1 | | | 66.5 | 6.1 |
| 3P | | | | | | 1.1 | 8.0 | | | 90.0 | 5.3 |
| 4P | | | | | | 1.1 | 8.6 | | | 107.7 | 4.8 |
| 5P | | | | | | 1.2 | 9.4 | | | 125.9 | 4.5 |
| 6P | | | | | | 1.2 | 10.3 | | | 150.0 | 4.2 |
| 7P | | | | | | 1.2 | 11.1 | | | 170.7 | 4.0 |
| 8P | | | | | | 1.2 | 11.8 | | | 191.3 | 3.9 |
| 10P | | | | | | 1.0 | 12.0 | | | 198.6 | 3.5 |
| 12P | | | | | | 1.5 | 13.6 | | | 265.2 | 3.3 |
| 15P | | | | | | 1.5 | 14.9 | | | 315.1 | 3.1 |
| 20P | | | | | | 1.5 | 16.3 | | | 389.2 | 2.8 |
| 25P | | | | | | 1.6 | 18.5 | | | 486.5 | 2.6 |

| 使用範囲温度 | 固定 -30℃～80℃ |
|---|---|
| | 可動 -10℃～80℃ |

## 許容電流について

- ケーブルの許容電流値は、周囲温度30℃、空中一条敷設時の計算値を示し、保障値ではありません。
- 周囲温度30℃以上の場合には、下表の電流減少係数を許容電流値に乗じてください。

| 周囲温度(℃) | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
|---|---|---|---|---|---|---|---|---|---|---|
| 電流減少係数 | 1.00 | 0.94 | 0.90 | 0.86 | 0.82 | 0.79 | 0.74 | 0.70 | 0.66 | 0.61 |