

# DRP/DRT/DRQ Series

Cables specification: EN2266-008



General purpose high-performance hook-up cables.  
Designed for aerospace and other applications  
requiring excellent thermal stability and light weight.



## Cable characteristics



-55 +200°C



Excellent



FAR25\_  
ABD0031

### Environmental

- Operating temperature: -55°C to 200°C (ambient temperature + current heating)
- Positively non-flammable
- High resistance to aircraft fluids
- Very low toxicity and smoke emission
- Jacket suitable for UV-Laser marking
- Arc Tracking resistant

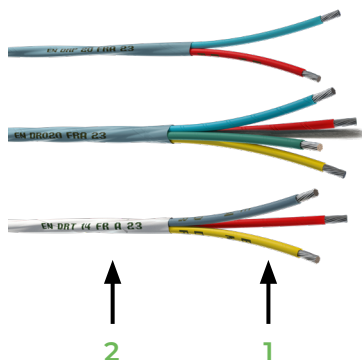
### Electrical

Maximum operating voltage:

- 115V (phase to neutral) or 200V (phase to phase) AC Electrical systems of aircraft
- 230/400V AC in pressurized zones with specific installation rules to take account of possible short circuit effects.

Operating frequency: up to 2000Hz

## Cable design



1. Cores: EN2267-009-DRA, not UV-markable (refer to EN2267-010 for dimensions)
2. Jacket: Polyimide Tape, Fluoropolymer Top coat, UV-laser markable

### Identification

- 2 Cores: Red and Blue
- 3 Cores: Red, Blue and Yellow
- 4 Cores: Red, Blue, Yellow and Green
- Jacket: Light blue for Gauges 24-20-16, white for the other Gauges

### Marking (example)

EN DRx yy FR A zz  
1 2 3 4 5

e.g. EN DRP 24 FRA 23

1. Short Designation
2. Gauge
3. Country of Origin
4. Manufacturer (A: Draka)
5. Manufacturing Year

## Specifications

### Cable Specifications

EN2266-008 DRP (pair) DRT (3 cores) DRQ (4 cores) family, multicore UV laser printable jacketed cable — Product standard

### Technical Specification

EN2235

### Compliant to ABD0031

Flammability, Smoke and Toxicity requirements and 14 CFR FAR25-1713

## Dimensional

### For DRP

| Short designation | EN reference    | Number of cores | Nominal cross section mm <sup>2</sup> | AWG* | Linear resistance max. at 20°C |          | Outer diameter max. |        | Weight max. |            |
|-------------------|-----------------|-----------------|---------------------------------------|------|--------------------------------|----------|---------------------|--------|-------------|------------|
|                   |                 |                 |                                       |      | Ω/km                           | Ω/1000ft | mm                  | inch   | kg/km       | Lbs/1000ft |
| DRP26             | EN2266-008B001P | 2               | 0.15                                  | 26   | 160.0                          | 48.77    | 1.86                | 0.0732 | 5.01        | 3.367      |
| DRP24             | EN2266-008B002P | 2               | 0.25                                  | 24   | 114.0                          | 34.75    | 2.10                | 0.0827 | 6.54        | 4.394      |
| DRP22             | EN2266-008B004P | 2               | 0.40                                  | 22   | 60.0                           | 18.29    | 2.39                | 0.0941 | 9.47        | 6.364      |
| DRP20             | EN2266-008B006P | 2               | 0.60                                  | 20   | 33.2                           | 10.12    | 2.91                | 0.1146 | 15.28       | 10.268     |
| DRP18             | EN2266-008B010P | 2               | 1                                     | 18   | 21.1                           | 6.43     | 3.44                | 0.1354 | 22.90       | 15.389     |
| DRP16             | EN2266-008B012P | 2               | 1.2                                   | 16   | 14.5                           | 4.42     | 4.02                | 0.1583 | 31.78       | 21.356     |
| DRP14             | EN2266-008B020P | 2               | 2                                     | 14   | 10.9                           | 3.32     | 4.67                | 0.1838 | 42.61       | 28.634     |

### For DRT

|       |                 |   |      |    |        |       |      |        |       |        |
|-------|-----------------|---|------|----|--------|-------|------|--------|-------|--------|
| DRT26 | EN2266-008C001P | 3 | 0.15 | 26 | 165.00 | 50.29 | 1.99 | 0.0783 | 7.28  | 4.892  |
| DRT24 | EN2266-008C002P | 3 | 0.25 | 24 | 117.00 | 35.66 | 2.24 | 0.0882 | 9.50  | 6.384  |
| DRT22 | EN2266-008C004P | 3 | 0.40 | 22 | 61.70  | 18.81 | 2.55 | 0.1004 | 13.91 | 9.348  |
| DRT20 | EN2266-008C006P | 3 | 0.60 | 20 | 34.10  | 10.39 | 3.12 | 0.1228 | 22.55 | 15.154 |
| DRT18 | EN2266-008C010P | 3 | 1    | 18 | 21.70  | 6.61  | 3.68 | 0.1449 | 33.91 | 22.788 |
| DRT16 | EN2266-008C012P | 3 | 1.2  | 16 | 14.90  | 4.54  | 4.30 | 0.1693 | 47.15 | 31.685 |
| DRT14 | EN2266-008C020P | 3 | 2    | 14 | 11.20  | 3.41  | 5.01 | 0.197  | 63.34 | 42.564 |
| DRT12 | EN2266-008C030P | 3 | 3    | 12 | 6.99   | 2.13  | 5.98 | 0.2354 | 99.57 | 66.911 |

### For DRQ

|       |                 |   |      |    |        |       |      |        |       |        |
|-------|-----------------|---|------|----|--------|-------|------|--------|-------|--------|
| DRQ26 | EN2266-008D001P | 4 | 0.15 | 26 | 165.00 | 50.29 | 2.22 | 0.0874 | 9.56  | 6.424  |
| DRQ24 | EN2266-008D002P | 4 | 0.25 | 24 | 117.00 | 35.66 | 2.49 | 0.0980 | 12.48 | 8.386  |
| DRQ22 | EN2266-008D004P | 4 | 0.40 | 22 | 61.70  | 18.81 | 2.87 | 0.1130 | 18.34 | 12.324 |
| DRQ20 | EN2266-008D006P | 4 | 0.60 | 20 | 34.10  | 10.39 | 3.50 | 0.1378 | 29.82 | 20.039 |
| DRQ18 | EN2266-008D010P | 4 | 1    | 18 | 21.70  | 6.61  | 4.15 | 0.1634 | 44.92 | 30.186 |
| DRQ16 | EN2266-008D012P | 4 | 1.2  | 16 | 14.90  | 4.54  | 4.80 | 0.1890 | 62.52 | 42.013 |
| DRQ14 | EN2266-008D020P | 4 | 2    | 14 | 11.20  | 3.41  | 5.48 | 0.2157 | 84.06 | 56.488 |

\*Closest American Wire Gauge

Bending radius

| Permissible bend radius<br>(recommendation following EN3197) | AWG      |
|--------------------------------------------------------------|----------|
|                                                              | 26 to 12 |
| Static use                                                   | 6xØ      |
| Dynamic use                                                  | 12xØ     |



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