

- These cables for peak temperature working conditions up to 300°C are recommended for use in vital circuit capable of resisting a short duration fire outbreak (MIL-W-7139B test prescribes a flame temperature of 870°C to 1040°C, from 15 seconds to 2mn, depending on cable size)
- Voltage proof test : 2500V during 5mn
- Insulation resistance $\geq 500\text{M}\Omega\cdot\text{km}$ at 20°C
- Bending radius : in static application = $6 \times \text{Ø}$ maximum cable diameter
 in dynamic application = 12Ø maximum cable diameter
- Rating : values are given at 60°C ambient temperature + 40°C of current heating, so 100°C
- Color coding : following request or reference product
- Marking : DG FR – A XX YY (XX = year code, YY = gauge)

REFERENCES AND APPLICABLE DOCUMENTS

- AIRBUS : NSA935131, NSA935000, NSA307110, 451.308/81A and 462.565/83
- US specification : MIL-W-7139B
- Flame propagation : Flammability requirements described in the 14 CFR FAR25-1713 *Fire protection : EWIS* (c) (previously chapter FAR25-869) and pass the test method described in Appendix F part I (3) *Electrical system components* and EN 3475-407 specification

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