Machines, devices; halogen-free: events, locations with a high density of people and valuable assets

Broad usages due to halogen-free materials; According to VDE 0100-711, cables with low smoke emission are required in buildings for exhibitions, shows and stands without a fire alarm system; Type-compliant versions -certified with "" testing and certification mark for accelerated granting of approvals if final application of cable is within the European CENELEC area

- Public buildings

Product description

Application range

- Stage technology
- For mobile equipment and machines
- Dry or damp rooms, as well as outdoors acc. to HD 516/VDE 0298-300
- For buildings or industrial plants with a high density of people or valuable assets
- Similar product: H07RN-F, enhanced version

Benefits

- Broad usages due to halogen-free materials
- According to VDE 0100-711, cables with low smoke emission are required in buildings for exhibitions, shows and stands without a fire alarm system
- Type-compliant versions -certified with "" testing and certification mark for accelerated granting of

approvals if final application of cable is within the European CENELEC area

Product Make-up

- Strands of bare copper wires
- Core insulation: Halogen-free rubber compound
- Outer sheath: rubber compound, halogen-free

Norm references / Approvals

- H07ZZ-F cable type certification acc. EN 50525-3-21

Product features

- Low amount of corrosive gases in the event of fire
- Flame-retardant according to IEC 60332-1-2 and bundle flame test according to IEC 60332-3-24
- Low smokes/low smoke density in the event of fire according to IEC 61034
- Ozone-resistant acc. to EN 50363-6, EN 60811-403, EN 50396-8.1.3
- Similar, alternative cable with more features: "H07RN-F, enhanced version"

Technical Data

Core identification code	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9
	From 6 cores: black with white numbers
Classification	ETIM 5.0 Class-ID: EC001578
	ETIM 5.0 Class-Description: Flexible cable
Conductor stranding	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius	4 to 8 xOD* (HD 516)
Nominal voltage	U_0/U: 450/750 VAC
	In protected and fixed installations:
	U_0/U: 600/1000 V
Test voltage	2500 V
Protective conductor	G = with GN-YE protective conductor
	X = without protective conductor
Current rating	VDE 0298 Part 4
	HD 516/VDE 0298-300
Temperature range	Static/Moved: -40°C/-5°C ...to +70°C