



Construction:

Conductor	: flexible copper wires, plain.
Insulation	: HFFR compound, TI6.
Core identif.	: JZ: white imprinting numbers on black cores, with green-yellow core. OZ: white imprinting numbers on black cores.
Lay-up	: cores laid up in layers of optimum pitch.
Inner Sheath	: HFFR compound, TM7.
Screen	: braid of tinned copper wires, 80% coverage.
Outer sheath	: HFFR compound, TM7.
Sheath colour	: RAL 9005, black.

Technical data and tests:

Insulation resistance	: min. 50 MΩ/km.
Rated voltage U ₀ /U	: 0,6/1 kV.
Test voltage (AC 50 Hz)	: 4 kV.
Temperature range	: fixed : - 30° C ~ + 70° C. mobile : -5° C ~ + 50° C.
Short circuit temp. on core:	160° C.
Min. bending radius	: fixed : 8 x D. mobile : 15 x D.

Standards:

Cable	: VDE 0245-201. (Designed according to) HD 21.14 S1 & HD 21.13 S1.
Conductor	: IEC 60228 Class 5, DIN EN 60228 Class 5.
Insulation	: DIN EN 50363-7.
Core ident.	: VDE 0293.
Inner sheath	: DIN EN 50363-8.
Outer sheath	: DIN EN 50363-8.
Smoke density	: IEC 61034-2 & DIN EN 61034-2.
HFFR properties	: IEC 60754-1/2 & DIN EN 50267-2.
Flame test	: IEC 60332-3 & DIN EN 50266-2-4.
HFFR	: Halogen-free flame retardant

Applications:

These halogen-free control cables with reduced diameter are used in mechanical engineering for instrumentation and control equipment for tooling machinery in production lines. The screen protects against external pulses and ensures an interference-free transmission. These cables are used in covered areas, plants and in environments which have no corrosive gases emitted in the event of fire. In case of fire, these cables inhibit the propagation of flames whereby the development of smoke is extremely low. They should not be used for outdoor or underground installation.



HALLEY CABLES

HSLHCH

Control cables (0.6/1 kV)

HFFR insulated, screened control cable

DIMENSIONS

No. of cores x cross section mm ²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
4x10	21,4	427	935
4x16	26,2	662	1453
4x25	31,7	1021	2342
4x35	34,5	1373	2900
4x70	46,0	2681	5320

* Other sizes available upon request.

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