

Specification Data Sheet

CABLE TYPE

PTFE INSULATED GAS IGNITION WIRE 15/25 KV DC

GENERAL DESCRIPTION

NICKEL PLATED COPPER CONDUCTORS,
PTFE EXTRUDED 0.53mm & 0.70mm NOMINAL R/t

RELEVANT STANDARDS

MANUFACTURED GENERALLY IN ACCORDANCE WITH UL
1911 TESTED IN ACCORDANCE WITH CIT INTERNAL
SPECIFICATION QP17-P10.
(BASED ON BRITISH GAS SPEC. WH77/16)

Conductor Details					Insulation Thickness	Overall Diameter		Conductor Resistance	Mass	Voltage Rating
Belden E.P.N.	Size AWG	Stranding (mm)	O/D (mm)	Area (mm ²)	Nominal (mm)	Min. (mm)	Max. (mm)	Maximum (Ω/km @20°C)	Nom (kg/km)	K.V. D.C.
HP24NB4	24	07/0.200	0.60	0.220	0.53	1.58	1.74	91.20	6.22	15
HP24NB6	24	07/0.200	0.60	0.220	0.70	1.90	2.10	91.20	8.37	25
HP22NB4	22	07/0.250	0.75	0.343	0.53	1.71	1.91	57.60	7.81	15
HP22NB6	22	07/0.250	0.75	0.343	0.70	2.05	2.25	57.60	10.27	25
HP20NB4	20	07/0.320	0.96	0.563	0.53	1.92	2.12	34.10	10.78	15
HP20NB6	20	07/0.320	0.96	0.563	0.70	2.26	2.46	34.10	13.35	25
HP20NC4	20	19/0.200	1.00	0.600	0.53	1.96	2.16	33.60	11.14	15
HP20NC6	20	19/0.200	1.00	0.600	0.70	2.30	2.50	33.60	13.76	25

Nickel Plated Copper Conductors / PTFE Extruded Insulation

Standard colour is natural. Coloured tint is also available as an alternative.

CABLE CHARACTERISTICS

VOLTAGE RATING:

As stated in above table (Maximum).

TEMPERATURE RATING:

+250°C

USE:

PTFE Insulated single core cable for gas ignition systems in boilers, cookers, and fires. Two standard types are available—15 and 25 kv for use at continuous operating temperature up to 250°C

The cables are manufactured in accordance with UL style 1911, the nickel plated copper conductor providing excellent resistance to corrosion and the PTFE insulation providing excellent chemical resistance.

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