

Wire duct, ties,  
spiral wrap

## Q-Duct

### Resistance to chemical agents

#### Technical data

#### Resistance to chemical agents

Chemical	Concentration	Temp. °C	Resistance
Acetic acid, hydrous	10%	50	①
Acetic acid*	60%	50	①
Acetone	Traces	20	②
Acetone	100%	20	②
Acqua regia		20	①
Ammonia concentrate	88%	50	①
Ammonia, dry gas	100%	50	①
Ammonia, liquid	100%	20	③
Aniline, pure	100%	20	②
Arsenic acid, hydrous	concentrated	20	①
Barium hydroxide, hydr.	—	50	①
Beer	commercial	20	①
Benzene	—	20	②
Benzoic acid	—	20	③
Borax, hydrous	thinned	50	①
Boric acid, hydrous	thinned	50	①
Brandy	commercial	20	①
Bromide liquid	—	20	②
Butane gaseous	—	20	①
Butadiene	50%	50	①
Butanol	—	20	①
Butyric acid, hydrous	20%	20	①
Calcium chloride	—	50	①
Camphor oil	—	20	①
Carbon tetrachloride	—	20	③
Chlorine gaseous, dry	100%	20	①
Chlorine gaseous, moist	20%	20	③
Chlorine water	saturated	20	③
Chromic acid, hydrous	—	50	①
Citric acid, hydrous	—	50	①
Copper sulphate, hydrous	thinned	50	①
Diesel oil	—	20	①
Ethyl-alcohol	100% (in water)	20	①
Formaldehyde, hydrous	40%	50	①

Chemical	Concentration	Temp. °C	Resistance
Formic acid	100%	20	①
Freon 12	—	20	①
Gasoline	—	50	①
Glycerine, hydrous	—	50	①
Hydrochloric acid	saturated	50	①
Hydrogen	—	50	①
Linseed oil	—	50	①
Lubricating oils	—	50	①
Mineral oil	—	50	①
Molasses	—	20	④
Oils and fats	commercial	50	①
Oil of turpentine	commercial	20	①
Ozone	—	20	①
Paraffin wax	—	50	①
Photographic developer	commercial	50	①
Photographic emulsions	—	50	①
Potassium permanganate	6%	20	①
Propane, liquid	—	20	①
Salicylic acid	—	50	①
Sea water	—	50	①
Soda, hydrous	saturated	50	①
Sodium chloride	thinned	50	①
Spirits, all types	—	20	①
Sulphur	—	50	①
Sulphuric acid, hydrous	40%	50	①
Tannic acid	—	50	①
Tetrahydrofuran	—	20	②
Toluene	—	20	②
Urea, hydrous	—	50	①
Urine	—	50	①
Vinegar	commercial	50	①
Water	—	50	①
Wines, red & white	commercial	20	①
Zinc sulphate, hydrous	thinned	50	①

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#### Technical data

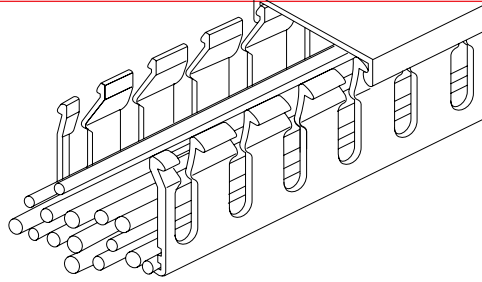
- Gray color - RAL 7030
- White color - RAL 9016
- Plastic insulating, shock-proof, self-extinguishing material in compliance with UL 94 VO Standard and resistant to abnormal heat and fire up to 960° (glow wire test) in compliance with IEC 695-2-1 Standard. UL File # E125800
- Minimum storage/transport temperature -5°C
- Minimum installation and usage temperature -15°C
- Maximum usage temperature +60°C
- Resistance to acids, oils and greases





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## Q-Duct Wire capacity, 800-1000 AWG



### 800 - 1000 AWG

Gray 4/6 slot	Gray 8/12 slot	White 4/6 slot	White 8/12 slot	Nominal size (mm)	Nominal size (inches)	Usable areas (mm <sup>2</sup> )	Maximum number of wires according to AWG and cable section (mm <sup>2</sup> )	
							800 405	1000 508
QD050X050HG	QD050X050SG	QD050X050HW	QD050X050SW	15x17	1/2x5/8	110	0	0
QD100X125HG	QD100X125SG	QD100X125HW	QD100X125SW	25x30	1x1¼	490	0	0
QD150X125HG	QD150X125SG	QD150X125HW	QD150X125SW	40x30	1½x1¼	890	1	0
QD225X125HG	QD225X125SG	QD225X125HW	QD225X125SW	60x30	2¼x1¼	1430	1	1
QD100X150HG	QD100X150SG	QD100X150HW	QD100X150SW	25x40	1x1½	710	0	0
QD150X150HG	QD150X150SG	QD150X150HW	QD150X150SW	40x40	1½x1½	1260	1	1
QD225X150HG	QD225X150SG	QD225X150HW	QD225X150SW	60x40	2¼x1½	2000	2	1
QD300X150HG	QD300X150SG	QD300X150HW	QD300X150SW	80x40	3x1½	2710	3	2
QD400X150HG	QD400X150SG	QD400X150HW	QD400X150SW	100x40	4x1½	3460	4	3
QD475X150HG	QD475X150SG	QD475X150HW	QD475X150SW	120x40	4¾x1½	4200	5	4
QD100X225HG	QD100X225SG	QD100X225HW	QD100X225SW	25x60	1 x 2¼	1120	1	—
QD150X225HG	QD150X225SG	QD150X225HW	QD150X225SW	40x60	1½x2¼	1970	2	1
QD225X225HG	QD225X225SG	QD225X225HW	QD225X225SW	60x60	2¼x2¼	3060	3	3
QD300X225HG	QD300X225SG	QD300X225HW	QD300X225SW	80x60	3x2¼	4190	5	4
QD400X225HG	QD400X225SG	QD400X225HW	QD400X225SW	100x60	4x2¼	5320	6	5
QD475X225HG	QD475X225SG	QD475X225HW	QD475X225SW	120x60	4¾x2¼	6330	7	6
QD100X300HG	QD100X300SG	QD100X300HW	QD100X300SW	25x80	1x3	1540	1	—
QD150X300HG	QD150X300SG	QD150X300HW	QD150X300SW	40x80	1½x3	2670	3	2
QD225X300HG	QD225X300SG	QD225X300HW	QD225X300SW	60x80	2¼x3	4140	5	4
QD300X300HG	QD300X300SG	QD300X300HW	QD300X300SW	80x80	3x3	5650	6	5
QD400X300HG	QD400X300SG	QD400X300HW	QD400X300SW	100x80	4x3	7170	8	7
QD475X300HG	QD475X300SG	QD475X300HW	QD475X300SW	120x80	4¾x3	8570	10	8
QD100X400HG	QD100X400SG	QD100X400HW	QD100X400SW	25x100	1x4	1970	2	—
QD150X400HG	QD150X400SG	QD150X400HW	QD150X400SW	40x100	1½x4	3410	4	3
QD225X400HG	QD225X400SG	QD225X400HW	QD225X400SW	60x100	2¼x4	5300	6	5
QD300X400HG	QD300X400SG	QD300X400HW	QD300X400SW	80x100	3x4	7190	8	7
QD400X400HG	QD400X400SG	QD400X400HW	QD400X400SW	100x100	4x4	9110	11	8
QD600X400HG	QD600X400SG	QD600X400HW	QD600X400SW	150x100	6x4	13,740	16	13

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