









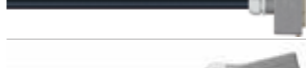
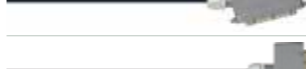
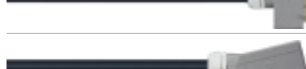



# Industry



chainflex® cables with industrial connectors



# chainflex® readycable®

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## HARTING Connector sets (Connectors chapter page 786)

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igus 36-month chainflex cable guarantee and service life calculator based on 2 billion test cycles per year




# Harnessed control cables | HARTING Han 6B

## Harnessed control cables, HARTING Han 6B, to your required length

Cable quality	Part No.	Number of cores and conductor nominal cross section [mm <sup>2</sup> ]	Ø [mm]	Copper index	Weight	Bend radius [x d]	chainflex® cable	Insert 1 HARTING Part No.	Housing 1 HARTING Part No.	Insert 2 HARTING Part No.	Housing 2 HARTING Part No.
<p><b>Han 6B connector housing (pin) to Han 6B connector housing (socket), single locking lever at both ends, straight</b></p> 											
PVC	MAT90489360	7G1.5	10.0	109	167	12.5	CF880.15.07	09330062702	19300061440	09330062602	19300061440
PVC	MAT90489361	7G1.5	10.5	105	166	7.5	CF130.15.07.UL	09330062702	19300061440	09330062602	19300061440
PVC, oil-res.	MAT90489362	7G1.5	10.5	105	180	6.8	CF5.15.07	09330062702	19300061440	09330062602	19300061440
iguPUR	MAT90489363	7G1.5	10.0	109	163	12.5	CF890.15.07	09330062702	19300061440	09330062602	19300061440
PUR	MAT90489364	7G1.5	9.5	105	152	6.8	CF77.UL.15.07.D	09330062702	19300061440	09330062602	19300061440
PUR-ROBOT	MAT90489367	5G1.0+(2x1.0)C	10.0	82	136	10	CFROBOT9.001	09330062702	19300061440	09330062602	19300061440
TPE H*	MAT90489365	7G1.5	9.5	107	157	5	CF9.15.07	09330062702	19300061440	09330062602	19300061440
TPE F	MAT90489366	7G1.5	10.0	104	167	5	CF9.UL.15.07	09330062702	19300061440	09330062602	19300061440

## Han 6B connector housing (pin) to Han 6B connector housing (socket), single locking lever at both ends, angled

											
PVC	MAT90489368	7G1.5	10.0	109	167	12.5	CF880.15.07	09330062702	19300061541	09330062602	19300061541
PVC	MAT90489369	7G1.5	10.5	105	166	7.5	CF130.15.07.UL	09330062702	19300061540	09330062602	19300061540
PVC, oil-res.	MAT90489370	7G1.5	10.5	105	180	6.8	CF5.15.07	09330062702	19300061540	09330062602	19300061540
iguPUR	MAT90489371	7G1.5	10.0	109	163	12.5	CF890.15.07	09330062702	19300061541	09330062602	19300061541
PUR	MAT90489372	7G1.5	10.0	109	163	6.8	CF77.UL.15.07.D	09330062702	19300061540	09330062602	19300061540
PUR-ROBOT	MAT90489375	5G1.0+(2x1.0)C	10.0	82	136	10	CFROBOT9.001	09330062702	19300061540	09330062602	19300061540
TPE H*	MAT90489373	7G1.5	9.5	107	157	5	CF9.15.07	09330062702	19300061540	09330062602	19300061540
TPE F	MAT90489374	7G1.5	10.0	104	167	5	CF9.UL.15.07	09330062702	19300061540	09330062602	19300061540

**Note:** The given outer diameters are maximum values and may tend toward lower tolerance limits.  
**G** = with green-yellow earth core **x** = without earth core  
 igus® GmbH defines cable length as entire length including connectors or open harnessing. ► Page 961

# Harnessed control cables | HARTING Han 10B





## Harnessed control cables, Harting Han 10B, to your required length

Cable quality	Part No.	Number of cores and conductor nominal cross section [mm <sup>2</sup> ]	Ø [mm]	Copper index	Weight	Bend radius [x d]	chainflex® cable	Insert 1 HARTING Part No.	Housing 1 HARTING Part No.	Insert 2 HARTING Part No.	Housing 2 HARTING Part No.
<b>Han 10B connector housing (pin) to Han 10B connector housing (socket), single locking lever at both ends, straight</b>											
PVC	MAT90489376	12G1.5	12.0	186	260	12.5	CF880.15.12	09330102702	19300101441	09330102602	19300101441
PVC	MAT90489377	12G1.5	13.0	179	288	7.5	CF130.15.12.UL	09330102702	19300101441	09330102602	19300101441
PVC, oil-res.	MAT90489378	12G1.5	13.0	179	288	7.5	CF130.15.12.UL	09330102702	19300101441	09330102602	19300101441
iguPUR	MAT90489379	12G1.5	12.0	186	256	12.5	CF890.15.12	09330102702	19300101441	09330102602	19300101441
PUR	MAT90489380	12G1.5	13.0	179	297	6.8	CF77.UL.15.12.D	09330102702	19300101441	09330102602	19300101441
PUR-ROBOT	MAT90489383	16G1.0+(2x1.0)C	15.5	194	307	10	CFROBOT9.004	09330102702	19300101441	09330102602	19300101441
TPE H*	MAT90489381	12G1.5	13.0	179	284	5	CF9.15.12	09330102702	19300101441	09330102602	19300101441
TPE F	MAT90489382	12G1.5	13.5	178	307	5	CF9.UL.15.12	09330102702	19300101441	09330102602	19300101441
<b>Han 10B connector housing (pin) to Han 10B connector housing (socket), single locking lever at both ends, angled</b>											
PVC	MAT90489384	12G1.5	12.0	186	260	12.5	CF880.15.12	09330102702	19300101541	09330102602	19300101541
PVC	MAT90489385	12G1.5	13.0	179	288	7.5	CF130.15.12.UL	09330102702	19300101541	09330102602	19300101541
PVC, oil-res.	MAT90489386	12G0.5	11.0	61	131	6.8	CF130.15.12.UL	09330102702	19300101541	09330102602	19300101541
iguPUR	MAT90489387	12G1.5	12.0	186	256	12.5	CF890.15.12	09330102702	19300101541	09330102602	19300101541
PUR	MAT90489388	12G1.5	13.0	179	297	6.8	CF77.UL.15.12.D	09330102702	19300101541	09330102602	19300101541
PUR-ROBOT	MAT90489391	16G1.0+(2x1.0)C	15.5	194	307	10	CFROBOT9.004	09330102702	19300101541	09330102602	19300101541
TPE H*	MAT90489389	12G1.5	13.0	179	284	5	CF9.15.12	09330102702	19300101541	09330102602	19300101541
TPE F	MAT90489390	12G1.5	13.5	178	307	5	CF9.UL.15.12	09330102702	19300101541	09330102602	19300101541
<b>Han 10B connector housing (pin) to Han 10B connector housing (socket), double locking lever at both ends, straight</b>											
PVC	MAT90489392	12G1.5	12.0	186	260	12.5	CF880.15.12	09330102702	19300101421	09330102602	19300101421
PVC	MAT90489393	12G1.5	13.0	179	288	7.5	CF130.15.12.UL	09330102702	19300101421	09330102602	19300101421
PVC, oil-res.	MAT90489394	12G1.5	15.0	179	264	6.8	CF130.15.12.UL	09330102702	19300101421	09330102602	19300101421
iguPUR	MAT90489395	12G1.5	12.0	186	256	12.5	CF890.15.12	09330102702	19300101421	09330102602	19300101421
PUR	MAT90489396	12G1.5	13.0	179	297	6.8	CF77.UL.15.12.D	09330102702	19300101421	09330102602	19300101421
PUR-ROBOT	MAT90489399	16G1.0+(2x1.0)C	15.5	194	307	10	CFROBOT9.004	09330102702	19300101421	09330102602	19300101421
TPE H*	MAT90489397	12G1.5	13.0	179	284	5	CF9.15.12	09330102702	19300101421	09330102602	19300101421
TPE F	MAT90489398	12G1.5	13.5	178	307	5	CF9.UL.15.12	09330102702	19300101421	09330102602	19300101421
<b>Han 10B connector housing (pin) to Han 10B connector housing (socket), double locking lever at both ends, angled</b>											
PVC	MAT90489400	12G1.5	12.0	186	260	12.5	CF880.15.12	09330102702	19300101521	09330102602	19300101521
PVC	MAT90489401	12G1.5	13.0	179	288	7.5	CF130.15.12.UL	09330102702	19300101521	09330102602	19300101521
PVC, oil-res.	MAT90489402	12G1.5	15.0	179	264	6.8	CF130.15.12.UL	09330102702	19300101521	09330102602	19300101521
iguPUR	MAT90489403	12G1.5	12.0	186	256	12.5	CF890.15.12	09330102702	19300101521	09330102602	19300101521
PUR	MAT90489404	12G1.5	13.0	179	297	6.8	CF77.UL.15.12.D	09330102702	19300101521	09330102602	19300101521
PUR-ROBOT	MAT90489407	16G1.0+(2x1.0)C	15.5	194	307	10	CFROBOT9.004	09330102702	19300101521	09330102602	19300101521
TPE H*	MAT90489405	12G1.5	13.0	179	284	5	CF9.15.12	09330102702	19300101521	09330102602	19300101521
TPE F	MAT90489406	12G1.5	13.5	178	307	5	CF9.UL.15.12	09330102702	19300101521	09330102602	19300101521

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits.  
G = with green-yellow earth core x = without earth core  
igus® GmbH defines cable length as entire length including connectors or open harnessing. ▶ Page 961



# Harnessed control cables | HARTING Han 16B

Harnessed control cables, Harting Han 16B, to your required length											
Cable quality	Part No.	Number of cores and conductor nominal cross section [mm <sup>2</sup> ]	Ø [mm]	Copper index	Weight	Bend radius [x d]	chainflex® cable	Insert 1 HARTING Part No.	Housing 1 HARTING Part No.	Insert 2 HARTING Part No.	Housing 2 HARTING Part No.
<b>Han 16B connector housing (pin) to Han 16B connector housing (socket), single locking lever at both ends, straight</b>											
PVC	MAT90489408	18G1.5	14.5	279	370	12.5	CF880.15.18	09330162702	19300161442	09330162602	19300161442
PVC	MAT90489409	18G1.5	17.0	268	438	7.5	CF130.15.18.UL	09330162702	19300161442	09330162602	19300161442
PVC, oil-res.	MAT90489410	18G1.5	19.5	267	478	6.8	CF5.15.18	09330162702	19300161442	09330162602	19300161442
iguPUR	MAT90489411	18G1.5	14.5	279	362	12.5	CF890.15.18	09330162702	19300161442	09330162602	19300161442
PUR	MAT90489412	18G1.5	17.0	268	405	6.8	CF77.UL.15.18.D	09330162702	19300161442	09330162602	19300161442
PUR-ROBOT	MAT90489415	16G1.0+(2x1.0)C	15.5	194	307	10	CFROBOT9.004	09330162702	19300161442	09330162602	19300161442
TPE H*	MAT90489413	18G1.5	16.0	268	422	5	CF9.15.18	09330162702	19300161442	09330162602	19300161442
TPE F	MAT90489414	18G1.5	16.0	267	448	5	CF9.UL.15.18	09330162702	19300161442	09330162602	19300161442
<b>Han 16B connector housing (pin) to Han 16B connector housing (socket), single locking lever at both ends, angled</b>											
PVC	MAT90489416	18G1.5	14.5	279	370	12.5	CF880.15.18	09330162702	19300161542	09330162602	19300161542
PVC	MAT90489417	18G1.5	17.0	268	438	7.5	CF130.15.18.UL	09330162702	19300161542	09330162602	19300161542
PVC, oil-res.	MAT90489418	18G1.5	19.5	267	478	6.8	CF5.15.18	09330162702	19300161542	09330162602	19300161542
iguPUR	MAT90489419	18G1.5	14.5	279	362	12.5	CF890.15.18	09330162702	19300161542	09330162602	19300161542
PUR	MAT90489420	18G1.5	17.0	268	405	6.8	CF77.UL.15.18.D	09330162702	19300161542	09330162602	19300161542
PUR-ROBOT	MAT90489423	16G1.0+(2x1.0)C	15.5	194	307	10	CFROBOT9.004	09330162702	19300161542	09330162602	19300161542
TPE H*	MAT90489421	18G1.5	16.0	268	422	5	CF9.15.18	09330162702	19300161542	09330162602	19300161542
TPE F	MAT90489422	18G1.5	16.0	267	448	5	CF9.UL.15.18	09330162702	19300161542	09330162602	19300161542
<b>Han 16B connector housing (pin) to Han 16B connector housing (socket), double locking lever at both ends, straight</b>											
PVC	MAT90489424	18G1.5	14.5	279	370	12.5	CF880.15.18	09330162702	19300161422	09330162602	19300161422
PVC	MAT90489425	18G1.5	17.0	268	438	7.5	CF130.15.18.UL	09330162702	19300161422	09330162602	19300161422
PVC, oil-res.	MAT90489426	18G1.5	19.5	267	478	6.8	CF5.15.18	09330162702	19300161422	09330162602	19300161422
iguPUR	MAT90489427	18G1.5	14.5	279	362	12.5	CF890.15.18	09330162702	19300161422	09330162602	19300161422
PUR	MAT90489428	18G1.5	17.0	268	405	6.8	CF77.UL.15.18.D	09330162702	19300161422	09330162602	19300161422
PUR-ROBOT	MAT90489431	16G1.0+(2x1.0)C	15.5	194	307	10	CFROBOT9.004	09330162702	19300161422	09330162602	19300161422
TPE H*	MAT90489429	18G1.5	16.0	268	422	5	CF9.15.18	09330162702	19300161422	09330162602	19300161422
TPE F	MAT90489430	18G1.5	16.0	267	448	5	CF9.UL.15.18	09330162702	19300161422	09330162602	19300161422
<b>Han 16B connector housing (pin) to Han 16B connector housing (socket), double locking lever at both ends, angled</b>											
PVC	MAT90489432	18G1.5	14.5	279	370	12.5	CF880.15.18	09330162702	19300161522	09330162602	19300161522
PVC	MAT90489433	18G1.5	17.0	268	438	7.5	CF130.15.18.UL	09330162702	19300161522	09330162602	19300161522
PVC, oil-res.	MAT90489434	18G1.5	19.5	267	478	6.8	CF5.15.18	09330162702	19300161522	09330162602	19300161522
iguPUR	MAT90489435	18G1.5	14.5	279	362	12.5	CF890.15.18	09330162702	19300161522	09330162602	19300161522
PUR	MAT90489436	18G1.5	17.0	268	405	6.8	CF77.UL.15.18.D	09330162702	19300161522	09330162602	19300161522
PUR-ROBOT	MAT90489439	16G1.0+(2x1.0)C	15.5	194	307	10	CFROBOT9.004	09330162702	19300161522	09330162602	19300161522
TPE H*	MAT90489437	18G1.5	16.0	268	422	5	CF9.15.18	09330162702	19300161522	09330162602	19300161522
TPE F	MAT90489438	18G1.5	16.0	267	448	5	CF9.UL.15.18	09330162702	19300161522	09330162602	19300161522

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits.  
G = with green-yellow earth core x = without earth core  
igus® GmbH defines cable length as entire length including connectors or open harnessing. ▶ Page 961

# Harnessed control cables | HARTING Han 24B

## Harnessed control cables, Harting Han 24B, to your required length

Cable quality	Part No.	Number of cores and conductor nominal cross section [mm <sup>2</sup> ]	Ø [mm]	Copper index	Weight	Bend radius [x d]	chainflex® cable	Insert 1 HARTING Part No.	Housing 1 HARTING Part No.	Insert 2 HARTING Part No.	Housing 2 HARTING Part No.
<b>Han 24B connector housing (pin) to Han 24B connector housing (socket), single locking lever at both ends, straight</b> 											
PVC	MAT90489440	25G1.5	17.5	387	514	12.5	CF880.15.25	09330242702	19300241442	09330242602	19300241442
PVC	MAT90489441	25G1.5	19.5	371	563	7.5	CF130.15.25.UL	09330242702	19300241442	09330242602	19300241442
PVC, oil-res.	MAT90489442	25G1.5	21.5	371	645	6.8	CF5.15.25	09330242702	19300241442	09330242602	19300241442
iguPUR	MAT90489443	25G1.5	17.5	387	502	12.5	CF890.15.25	09330242702	19300241442	09330242602	19300241442
PUR	MAT90489444	25G1.5	19.5	297	564	6.8	CF77.UL.15.25.D	09330242702	19300241442	09330242602	19300241442
PUR-ROBOT	MAT90489447	23G1.0+(2x1.0)C	19.5	268	444	10	CFROBOT9.005	09330242702	19300241442	09330242602	19300241442
TPE H*	MAT90489445	25G1.5	19.0	371	600	5	CF9.15.25	09330242702	19300241442	09330242602	19300241442
TPE F	MAT90489446	25G1.5	19.0	371	652	5	CF9.UL.15.25	09330242702	19300241442	09330242602	19300241442
<b>Han 24B connector housing (pin) to Han 24B connector housing (socket), single locking lever at both ends, angled</b> 											
PVC	MAT90489448	25G1.5	17.5	387	514	12.5	CF880.15.25	09330242702	19300241542	09330242602	19300241542
PVC	MAT90489449	25G1.5	19.5	371	563	7.5	CF130.15.25.UL	09330242702	19300241542	09330242602	19300241542
PVC, oil-res.	MAT90489450	25G1.5	21.5	371	645	6.8	CF5.15.25	09330242702	19300241542	09330242602	19300241542
iguPUR	MAT90489451	25G1.5	17.5	387	502	12.5	CF890.15.25	09330242702	19300241542	09330242602	19300241542
PUR	MAT90489452	25G1.5	19.5	297	564	6.8	CF77.UL.15.25.D	09330242702	19300241542	09330242602	19300241542
PUR-ROBOT	MAT90489455	23G1.0+(2x1.0)C	19.5	268	444	10	CFROBOT9.005	09330242702	19300241542	09330242602	19300241542
TPE H*	MAT90489453	25G1.5	19.0	371	600	5	CF9.15.25	09330242702	19300241542	09330242602	19300241542
TPE F	MAT90489454	25G1.5	19.0	371	652	5	CF9.UL.15.25	09330242702	19300241542	09330242602	19300241542
<b>Han 24B connector housing (pin) to Han 24B connector housing (socket), double locking lever at both ends, straight</b> 											
PVC	MAT90489456	25G1.5	17.5	387	514	12.5	CF880.15.25	09330242702	19300241422	09330242602	19300241422
PVC	MAT90489457	25G1.5	19.5	371	563	7.5	CF130.15.25.UL	09330242702	19300241422	09330242602	19300241422
PVC, oil-res.	MAT90489458	25G1.5	21.5	371	645	6.8	CF5.15.25	09330242702	19300241422	09330242602	19300241422
iguPUR	MAT90489459	25G1.5	17.5	387	502	12.5	CF890.15.25	09330242702	19300241422	09330242602	19300241422
PUR	MAT90489460	25G1.5	19.5	297	564	6.8	CF77.UL.15.25.D	09330242702	19300241422	09330242602	19300241422
PUR-ROBOT	MAT90489463	23G1.0+(2x1.0)C	19.5	268	444	10	CFROBOT9.005	09330242702	19300241422	09330242602	19300241422
TPE H*	MAT90489461	25G1.5	19.0	371	600	5	CF9.15.25	09330242702	19300241422	09330242602	19300241422
TPE F	MAT90489462	25G1.5	19.0	371	652	5	CF9.UL.15.25	09330242702	19300241422	09330242602	19300241422
<b>Han 24B connector housing (pin) to Han 24B connector housing (socket), double locking lever at both ends, angled</b> 											
PVC	MAT90489464	25G1.5	17.5	387	514	12.5	CF880.15.25	09330242702	19300241522	09330242602	19300241522
PVC	MAT90489465	25G1.5	19.5	371	563	7.5	CF130.15.25.UL	09330242702	19300241522	09330242602	19300241522
PVC, oil-res.	MAT90489466	25G1.5	21.5	371	645	6.8	CF5.15.25	09330242702	19300241522	09330242602	19300241522
iguPUR	MAT90489467	25G1.5	17.5	387	502	12.5	CF890.15.25	09330242702	19300241522	09330242602	19300241522
PUR	MAT90489468	25G1.5	19.5	297	564	6.8	CF77.UL.15.25.D	09330242702	19300241522	09330242602	19300241522
PUR-ROBOT	MAT90489471	23G1.0+(2x1.0)C	19.5	268	444	10	CFROBOT9.005	09330242702	19300241522	09330242602	19300241522
TPE H*	MAT90489469	25G1.5	19.0	371	600	5	CF9.15.25	09330242702	19300241522	09330242602	19300241522
TPE F	MAT90489470	25G1.5	19.0	371	652	5	CF9.UL.15.25	09330242702	19300241522	09330242602	19300241522

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits.  
G = with green-yellow earth core x = without earth core  
igus® GmbH defines cable length as entire length including connectors or open harnessing. ► Page 961