



**EU Declaration of Conformity**  
**EU Konformitätserklärung**  
**Déclaration UE de conformité**  
**Dichiarazione di conformità UE**

**This declaration of conformity is issued under the sole responsibility of the manufacturer**  
Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller /  
La présente déclaration de conformité est établie sous la seule responsabilité du fabricant /  
La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante

**ABB**

**8 Boulevard Millénium, B-7110 La Louvière (Belgium)**

**Object of declaration**

Gegenstand der Erklärung/Objet de la déclaration/Oggetto della dichiarazione

**Liquid-tight Flexible Metallic Conduit**

Flüssigkeitsdichter und flexible Metallschutzschlauch

Gaine métallique et flexible étanche

Guaina metallica flessibile a tenuta stagna

**Type/Typ/Type/Tipo: LTFU Series - See Annex 1**

Serie LTFU - Siehe Annex 1

Série LTFU - Voir annexe 1

Serie LTFU - Vedi annesso 1

**The object of the declaration described above is in conformity with the relevant Community harmonisation legislation**

Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen / Harmonisierungsrechtsvorschriften der Gemeinschaft /  
L'objet de la déclaration décrite ci-dessus est conforme à la législation communautaire d'harmonisation applicable /  
L'oggetto della dichiarazione di cui sopra è conforme alla pertinente normativa comunitaria di armonizzazione

**2014/35/EU Low Voltage Directive (LVD)**

Niederspannungsrichtlinie/Directive basse tension/Direttiva Bassa Tensione

**2011/65/EU Restriction of Hazardous Substances (RoHS)**

RoHS Richtlinie/Directive RoHS/Direttiva RoHS

**and are in conformity with the following harmonized standards or other normative documents**

nachgewiesen durch die Einhaltung der nachstehend aufgeführten Normen oder anderen normativen Dokumenten /  
et justifié par le respect des Normes mentionnées ci-dessous ou autres documents normatifs /  
e sono stati applicati le norme o altri documenti normativi indicati di seguito

**EN 61386-1:2008 and EN 61386-23:2004**

**Notified Body and number of the EC-type-examination certificate Self-Declaration**

Benannte Stelle und Nummer der EG-Baumusterprüfbescheinigung/Organisme agréé et numero du certificate de test CE/Organismo notificato e il numero del CE attestato di certificazione

**Year of CE Marking 2016**

Jahr der CE-Kennzeichnung/Année d'apposition du marquage CE/Anno in cui è stata affissa la marcatura

**Signed for and on behalf of**

Unterzeichnet für und im Namen von/Signé par et au nom de/Firmato in vece e per conto di

**ABB**

Memphis, Tennessee, USA on **9 August 2016**

**Michael Pratt**  
GPG R&D Director

**Andrea Castella**  
Hub BU Manager  
EPIP Europe



## ANNEX 1

### Liquid-tight Flexible Metallic Conduit - LTFU Series

For all catalog numbers:

- Hot-dipped galvanized steel core
- 16 to 40 mm trade sizes containing copper bonding strip
- Resistant to Corrosion
- PVC flexible jacket
- Flame Retardant
- UV Protection

The flexible conduit system consists of the appropriate size fitting, sealing ring and flexible metallic conduit. Please refer to the below tables for conduits' catalog numbers, dimensions, and classification coding per EN 61386-1:2008.

**Table 1 - Liquid-tight Flexible Metallic Conduits**

Catalog numbers	Description		Internal Diameter		External Diameter	
	Trade Size		mm		mm	
	mm	inches	Min.	Max.	Min.	Max.
LTFUS01X-#	16	3/8	12.3	12.8	17.5	18.0
LTFUS02X-#	20	1/2	15.8	16.3	20.8	21.3
LTFUS03X-#	25	3/4	20.8	21.3	26.2	26.7
LTFUS04X-#	32	1	26.4	27.1	32.8	33.4
LTFUS05X-#	40	1-1/4	35.1	35.8	41.4	42.2
LTFUS06X-#	50	1-1/2	40.0	40.6	47.4	48.3
LTFUS07X-#	63	2	51.3	51.9	59.4	60.3
LTFUS08X-#	70	2-1/2	63.0	63.6	72.1	73.0
LTFUS09X-#	80	3	78.0	78.7	87.9	88.8
LTFUS11X-#	100	4	101.6	102.6	113.3	114.3

**X: Color**

Code	B	C	E	G	L	N	P	R	W	Y
Color	Black	Clear	Orange	Gray	Blue	Green	Purple	Red	White	Yellow

**#: Package length in meters (m)**

Code	A	B	C	D	E	F	G	H
Length	8	15	30	45	60	75	80	90
Pack	Carton		Carton/RI	Reel				

Code	J	K	L	M	N	P	Q	S
Length	120	150	300	10	25	50	100	1
Pack	Reel			Carton		Reel		Carton



**Table 2 - Conduit Classification Coding per EN 61386-1:2008 – Annex A**

Catalog numbers	Conduit classification coding format for declared properties		
	Compression Resistance	4	Heavy compression strength
LTFUS01X-#	Impact Resistance	4	Heavy impact strength
LTFUS02X-#	Lower Temperature (°C)	4	-25
LTFUS03X-#	Upper Temperature (°C)	2	90
LTFUS04X-#	Bending Resistance	4	Flexible
LTFUS05X-#	Electrical Characteristics	N/A	--
LTFUS06X-#	IP Solids	6	Dust-tight
LTFUS07X-#	IP Water	5	Protected against water jets
LTFUS08X-#	Corrosion Resistance	N/A	--
LTFUS09X-#	Tensile Strength	4	Heavy tensile strength
LTFUS11X-#	Flame Propagation	1	Non-flame propagating
	Suspended Load Capacity	4	Heavy suspended load capacity